

## Human qPCR用合成セット一覧

検出方法: 加水分解プローブ法, 反応回数: 約250回相当, 価格: ¥35,000—(税抜き)  
 対応機種: LightCycler®(キャピラリー), LightCycler®480, その他機種にも対応可能  
 保存方法: -20°C冷凍保存

### Human qPCR

セット項目	遺伝子名	セット名	製品No.
Reference Gene of Copy number variant detection ※DNA quantification (1種)	β globin	β globin	4391489-T

### Human qRT-PCR 2step

セット項目	遺伝子名	セット名	製品No.
House Keeping (3種)	β actin	β actin	410957-T
	GAPDH	GAPDH	410964-T
	G6PDH	G6PDH	4819527-T
Cancer Marker (7種)	AML1/MTG8 (AML1/MTG8 fusion gene)	AML1/MTG8	4651464-T
	SCC (squamous cell carcinoma antigen)	SCC	4410661-T
	CEA (carcinoembryonic antigen)	CEA	4391675-T
	AFP (alpha-fetoprotein)	AFP	4389301-T
	CK19 (cytokeratin 19)	CK19	4391713-T
	CK20 (cytokeratin 20)	CK20	4391748-T
	PSA (prostate special antigen)	PSA	4410629-T
Cancer Drug Resistance (4種)	BCRP(Breast Cancer Resistance Protein)	BCRP	4391454-T
	cMOAT(canalicular Multispecific Organic Anion Transporter)	cMOAT	4391845-T
	MDR1(P-glycoprotein)	MDR1	4410394-T
	MVP(major vault protein)	MVP	4410483-T
Oncology (7種)	TERT (interleukin 1-beta)	TERT	4410726-T
	PD-ECGF (patelet-derived endothelial cell growth factor)	PD-ECGF	4410564-T
	DPD (lymphocyte dihydropyrimidine dehydrogenase)	DPD	4400216-T
	TS (thymidylate synthase)	TS	4410831-T
	OPRT (orotate phosphoribosyltransferase)	OPRT	4410531-T
	TK(thymidine kinase.)	TK	4410785-T
	UP(uridine phosphorylase)	UP	4410840-T
Cytokine (9種)	IL1a (interleukin 1, alpha)	IL1a	4403592-T
	IL4 (interleukin 4)	IL4	4407903-T
	IL5 (interleukin 5)	IL5	4408497-T
	IL6 (interleukin 6)	IL6	4410106-T
	IL8 (interleukin 8)	IL8	4410114-T
	IL13 (interleukin 13)	IL13	4403819-T
	TNFα (tumor necrosis factor)	TNFα	4410823-T
	IFNγ (interferon gamma)	IFNγ	4403576-T
	CD40-ligand	CD40-ligand	4391667-T
Chemokine & receptors (7種)	MDC(chemokine (C-C motif) ligand 22 )	MDC	4410386-T
	MCP1(monocyte chemoattractant protein-1)	MCP1	4410378-T
	SDF1α (pre-B cell stimulating factor homologue)	SDF1α	4410670-T
	CCL8(chemokine(C-C motif) ligand 8	CCL8	4868471-T

セット項目	遺伝子名	セット名	製品No.
Chemokine & receptors (7種) つづき	chemokine (C-C motif) receptor 3	chemokine	4868382-T
	CCR4(chemokine (C-C motif) receptor 4)	CCR4	4391624-T
	CCR6(chemokine (C-C motif) receptor 6)	CCR6	4868331-T
Hematopoietic growth factors & receptors (4種)	EPO(erythropoietin)	EPO	4400275-T
	GM-CSF(colony stimulating factor 2 )	GM-CSF	4401476-T
	G-CSF R(granulocyte colony-stimulating factor receptor)	G-CSF R	4401441-T
	TPO(thrombopoietin)	TPO	4410769-T
Innate Immune Response (3種)	TLR2(Toll-like receptor 2)	TLR2	4410793-T
	TLR4(Toll-like receptor 4)	TLR4	4410807-T
	TLR9(Toll-like receptor 9)	TLR9	4410815-T
Interferon response (3種)	MxA (interferon-induced cellular resistance mediator protein)	MxA	4410491-T
	PKR (protein kinase, interferon-inducible double stranded RNA dependent)	PKR	4410599-T
	OAS (2'-5'-oligoadenylate synthesize 2)	OAS	4410505-T
Gene involved in inframmatory mediation (6種)	Cox2(cyclooxygenase-2)	Cox2	4394305-T
	prostaglandin D2 receptor (DP)	prostaglandin D2 receptor	4868404-T
	PTGER4(prostaglandin E receptor 4 (subtype EP4))	PTGER4(prostaglandin E receptor 4	HR19-T
	cysteinyl leukotriene receptor 2	cysteinyl leukotriene receptor 2	4868366-T
	LTR1(cysteinyl leukotriene receptor 1)	LTR1	4399293-T
	histamine receptor 2(histamine H2 receptor)	histamine receptor 2	4403533-T
Angiogenesis (5種)	HIF1α (hypoxia-inducible factor 1, alpha subunit)	HIF1α	4681618-T
	VEGF ( vascular endothelial growth factor)	VEGF	4868498-T
	FTL1 (fms-related tyrosine kinase 1)(vascular endothelial growth factor/vascular permeability factor receptor)	FLT1	4868374-T
	KDR(kinase insert domain receptor)(a type III receptor tyrosine kinase)	KDR	4868340-T
	THBS1 (thrombospondin 1)	THBS	4410777-T
Apoptosis (6種)	Bcl-xL(bcl-xL)	Bcl-xL	4391446-T
	XIAP(X-linked inhibitor of apoptosis protein)	XIAP	4410858-T
	A1(BCL2-related protein A1)	A1	4391098-T
	MCL-1(myeloid cell differentiation protein)	MCL-1	4410360-T
	Bcl-2	Bcl-2	4390784-T
	BAX	BAX	4390636-T
Cell cycle (4種)	CyclinA1	CyclinA1	4398955-T
	CyclinA2	CyclinA2	4399013-T
	DCK(deoxycytidine kinase)	DCK	4399633-T
	p21(cyclin-dependent kinase inhibitor 1A)	p21	4410548-T
Hormone-related genes (4種)	PTHRP(parathyroid hormone-related protein)	PTHRP	4410637-T
	GR(alpha-glucocorticoid receptor)	GR	4401484-T
	GRβ (nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor))	GRβ	4651669-T
	GRP(gastrin-releasing peptide)	GRP	4401506-T

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Obesity (8種)	LEPR(leptin receptor)	LEPR	4410190-T
	PPARG(peroxisome proliferative activated receptor, gamma)	PPARG	4410602-T
	TNFα (tumor necrosis factor)	TNFα	4410823-T
	insulin-like growth factor 1 receptor	insulin-like growth factor 1	4868412-T
	IGF-1(insulin-like growth factor I)	IGF-1	4403584-T
	IGFBP-3 (insulin-like growth factor binding protein 3 )	IGFBP-3	4868269-T
	IGFBP-5 (insulin-like growth factor binding protein 5 )	IGFBP-5	4868277-T
	FABP6 (fatty acid binding protein 6, ileal (gastrotropin ) )	FABP6	4868234-T
Hepatocyte-related genes (5種)	HGF(hepatocyte growth factor)	HGF	4402090-T
	HAI2(serine protease inhibitor, Kunitz type, 2)	HAI2	4402049-T
	HGFA(HGF activator precursor)	HGFA	4402871-T
	HNF4A(hepatocyte nuclear factor 4, alpha)	HNF4A	4868528-T
	Albumin(serum albumin)	Albumin	4390601-T
Osteogenesis (7種)	BMP2(bone morphogenetic protein 2)	BMP2	4391594-T
	BMP4(bone morphogenetic protein 4)	BMP4	4391608-T
	BMP7(bone morphogenetic protein 7)	BMP7	4391616-T
	DMP1(dentin matrix acidic phosphoprotein)	BMP4	4399641-T
	OC(osteocalcin)	OC	4410521-T
	OP(osteopontin)	OP	4410530-T
	SPARC(secreted protein, acidic, cysteine-rich)	SPARC	4410688-T
Fibrinolysis (3種)	PAI-1(plasminogen activator inhibitor-1)	PAI-1	4410556-T
	PLAUR (plasminogen activator, urokinase receptor )	PLAUR	4868455-T
	PLAU (plasminogen activator, urokinase )	PLAU	4868226-T
Extracellular Matrix & Adhesion molecules (11種)	COL1A2 (collagen, type I, alpha 2)	COL1A2	4651448-T
	COL1A1(collagen, type I, alpha 1)	COL1A1	4651456-T
	COL2A1 ( collagen, type II, alpha 1 )	COL2A1	HEM5-T
	glypican 3	glypican 3	4868170-T
	VLA-4(integrin alpha 4 subunit)	VLA-4	4651693-T
	gap junction protein, alpha 1, 43kDa (connexin 43)	gap junction protein, alpha 1, 43kDa	4868129-T
	gap junction protein, beta 2, 26kDa (connexin 26)	gap junction protein, beta 2, 26kDa	4868137-T
	ICAM-1(intercellular adhesion molecule-1)	ICAM-1	4651677-T
	VCAM-1(vascular cell adhesion molecule 1)	VCAM-1	4651685-T
	galectin9(lectin, galactoside-binding, soluble, 9)	galectin9	4651707-T
	THBS1(thrombospondin 1)	THBS1	4410777-T
Metalloprotenase & inhibitor (5種、うち4種)	MMP1 (matrix metalloproteinase 1 (interstitial collagenase) )	MMP1	4868293-T
	MMP14 (matrix metalloproteinase 14 (membrane-inserted) )	MMP14	4868307-T
	ADAMTS8(a disintegrin-like and metalloprotease (reprolysin type)with thrombospondin type 1 motif, 8)	ADAMTS8	4389034-T
	ADAMTS15(a disintegrin-like and metalloprotease (reprolysin type)with thrombospondin type 1 motif, 15)	ADAMTS15	4388879-T

セット項目	遺伝子名	セット名	製品No.
Metalloprotenase & inhibitor (5種、うち1種)	TIMP1 (tissue inhibitor of metalloproteinase 1 )	TIMP1	4868218-T
Transcription Factors (11種)	STAT6(signal transducer and activator of transcription 6)	STAT6	4410700-T
	HIF1α (hypoxia-inducible factor 1, alpha subunit )	HIF1α	4651618-T
	NOTCH1(Notch homolog 1, translocation-associated (Drosophila))	NOTCH1	4651545-T
	NFKB1 ( nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (p105) )	NFKB1	4868510-T
	FOXP3(forkhead box P3)	FOXP3	HT10-T
	NR0B2 (nuclear receptor subfamily 0, group B, member 2)	NR0B2	4651626-T
	NR1H4 (nuclear receptor subfamily 1, group H, member 4)	NR1H4	4651642-T
	NR1I2 (nuclear receptor subfamily 1, group I, member 2)	NR1I2	4651634-T
	SPI1(spleen focus forming virus (SFFV) proviral integration oncogene spi1)	SPI1	HT9-T
	MITF ( microphthalmia-associated transcription factor )	MITF	HT8-T
	PML(promyelocytic leukemia )	PML	4868536-T
体内時計関連 遺伝子(8種)	Per1(period 1)	Per1	600101-T
	Per2(period 2)	Per2	600102-T
	Per3(period 3)	Per3	600103-T
	Clock	Clock	600104-T
	Cry1(cryptochrome 1)	Cry1	600105-T
	Cry2(cryptochrome 2)	Cry2	600106-T
	BMAL1	BMAL1	600107-T
	CSNK1E	CSNK1E	600108-T
REG遺伝子ファミリー (5種)	REG1α (regenerating gene type I α )	REG1α	600201-T
	REG1β (regenerating gene type I β )	REG1β	600202-T
	REG3(regenerating gene type III)	REG3	600203-T
	REG4(regenerating gene type IV)	REG4	600204-T
	HIP/PAP(Hepatocarcinoma-intestine-pancreas/pancratitis-associated protein)	HIP/PAP	600205-T
Others (49種のうち13種)	GSTM1(glutathione S-transferase M1)	GSTM1	4651529-T
	AKT2(v-akt murine thymoma viral oncogene homolog 2)	AKT2	4868196-T
	SOCS3(suppressor of cytokine signaling 3)	SOCS3	4868145-T
	MPO(myeloperoxidase)	MPO	H54-T
	Motilin Receptor	MLNR	4868323-T
	growth hormone secretagogue receptor	GHSR	4868358-T
	CHRM2(cholinergic receptor, muscarinic 2)	CHRM2	4868439-T
	CHRM3(cholinergic receptor, muscarinic 3)	CHRM3	4868447-T
	LGR5(leucine-rich repeat-containing G protein-coupled receptor 5)	LGR5	HR20-T
	ABCB11(ATP-binding cassette, sub-family B (MDR/TAP), member 11)	ABCB11	4651430-T
	SLC6A4 ( solute carrier family 6 (neurotransmitter transporter, serotonin), member 4 )	SLC6A4	4868463-T
	CENPC1(centromere protein C 1)	CENPC1	4651472-T
	Defensinβ 4(defensin, beta 4)	Defensinβ 4	4651499-T

セット項目	遺伝子名	セット名	製品No.
Others (49種のうち36種)	EIF2 $\alpha$ (eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa)	EIF2 $\alpha$	4651502-T
	H3F3A(H3 histone, family 3A)	H3F3A	4651537-T
	Transgelin2 (transgelin 2)	Transgelin2	4651553-T
	GGH (gamma-glutamyl hydrolase)	GGH	4651561-T
	TFF2(trefoil factor 2 (spasmolytic protein 1))	TFF2	4651570-T
	TFF3(trefoil factor 3 (intestinal))	TFF3	4651588-T
	Cofilin 1(cofilin 1 (non-muscle))	Cofilin 1	4651596-T
	PAEP(progestagen-associated endometrial protein (placental protein 14, pregnancy-associated endometrial alpha-2-globulin, alpha uterine protein))	PEAP	4651600-T
	ribonuclease, RNase A family, 3 (eosinophil cationic protein)	RNASE3	4868153-T
	TPX(thyroid peroxidase)	TPX	4868161-T
	PDLIM5(PDZ and LIM domain 5)	PDLIM5	4868188-T
	FKBP5(FK506 binding protein 5)	FKBP5	4868200-T
	Kallikrein 6 (kallikrein 6 (neurosin, zyme))	Kallikrein 6	4868242-T
	Dynamin 2 (Dynamin 2 )	Dynamin 2	4868285-T
	TFPI2 ( tissue factor pathway inhibitor 2 )	TFPI2	H52-T
	PADI2(peptidyl arginine deiminase, type II)	PADI2	H55-T
	MAIL(molecule possessing ankyrin repeats induced by lipopolysaccharide)	MAIL	4410351-T
	CENPA(centromere protein A, 17kDa)	CENPA	4391691-T
	AID(activation-induced cytidine deaminase)	AID	4390245-T
	RAG1(recombination activating gene1)	RAG1	4410645-T
	RAG2(recombination activating gene2)	RAG2	4410653-T
	CRYAA(crystallin, alpha A)	CRYAA	4398386-T
	B1,4GALT5(beta-1,4-galactosyltransferase V)	B1,4GALT5	4391462-T
	TCE(TNF-alpha converting enzyme)	TCE	4410718-T
	CD3D(CD3D antigen, delta polypeptide)	CD3D	4391632-T
	MHC1(myosin, heavy polypeptide 7)	MHC1	4410408-T
	MHC2a(myosin heavy chain Iia)	MHC2a	4410416-T
	MHC2b(myosin heavy chain Iib)	MHC2b	4410424-T
	MHC2d(myosin heavy chain IIx/d)	MHC2d	4410432-T
	MHCSM(myosin, heavy polypeptide 11, smooth muscle (MYH11), transcript variant SM1)	MHCSM	4410459-T
	MT2A(metallothionein 2A)	MT2A	4410475-T
	TfR2 $\alpha$ (transferrin receptor 2 alpha)	TfR2 $\alpha$	4410742-T
	TfR1(transferrin receptor)	TfR1	4410734-T
	TGF $\beta$ 3 ( transforming growth factor, beta 3 )	TGF $\beta$ 3	4868480-T
	transforming growth factor, alpha	TGFA	4868501-T
	FHL2(four and a half LIM domains 2)	FHL2	4401379-T