

,Extracellular Region, Part'

LMP	miHO-1		
		MMP2	matrix metallopeptidase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)
		TGFB1	transforming growth factor, beta 1 (Camurati-Engelmann disease)
		ECM1	extracellular matrix protein 1
		LGALS3BP	lectin, galactoside-binding, soluble, 3 binding protein
		QSOX1	
		SGCE	sarcoglycan, epsilon
		SGCB	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein)
		SFN	stratifin
		GPC1	glypican 1
		COL9A3	collagen, type IX, alpha 3
		FBLN1	fibulin 1
		CFP	complement factor properdin
		EKTN	
		ERBB2IP	erbb2 interacting protein
		LOXL2	lysyl oxidase-like 2

,Extracellular Space'

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,Receptor Binding'

LMP	miHO-1		
		TGFB1	transforming growth factor, beta 1 (Camurati-Engelmann disease)
		CLEC11A	C-type lectin domain family 11, member A
		IGF2	insulin-like growth factor 2 (somatomedin A)
		FYB	FYN binding protein (FYB-120/130)
		TACC2	transforming, acidic coiled-coil containing protein 2
		GDF15	growth differentiation factor 15
		GRN	granulin
		TRIP6	thyroid hormone receptor interactor 6
		GAS6	growth arrest-specific 6
		WIP1	WD repeat domain, phosphoinositide interacting 1
		PGF	placental growth factor, vascular endothelial growth factor-related protein
		SRI	sorcin
		NCK1	NCK adaptor protein 1
		MED17	
		ERBB2IP	erbb2 interacting protein
		EFNB2	enhrin-B2

,Cation Binding'

LMP	miHO-1		
		MMP2	matrix metallopeptidase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)
		CRIP2	cysteine-rich protein 2
		ZNF185	zinc finger protein 185 (LIM domain)
		GSN	gelsolin (amyloidosis, Finnish type)
		CRIP1	cysteine-rich protein 1 (intestinal)
		ATP7B	ATPase, Cu++ transporting, beta polypeptide
		PRNP	prion protein (p27-30) (Creutzfeldt-Jakob disease, Gerstmann-Strausler-Scheinker syndrome)
		GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)
		TIMM9	translocase of inner mitochondrial membrane 9 homolog (yeast)
		RLF	rearranged L-myc fusion
		EEA1	early endosome antigen 1, 162kD
		ZNF146	zinc finger protein 146
		MDM4	Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)

LMP	miHO-1		
		SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1
		TRPV2	transient receptor potential cation channel, subfamily V, member 2
		ADAM8	ADAM metalloproteinase domain 8
		ACCN2	amiloride-sensitive cation channel 2, neuronal
		SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4
		SLC16A3	solute carrier family 16, member 3 (monocarboxylic acid transporter 4)
		ACVRI18	activin A receptor, type IB
		ADCY3	adenylate cyclase 3
		SLC23A2	solute carrier family 23 (nucleobase transporters), member 2
		EGFR3	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)
		EGFR4	fibroblast growth factor receptor 4
		CAV2	caveolin 2
		TSPAN15	tetraspanin 15
		GRM4	glutamate receptor, metabotropic 4
		SGCE	sarcoglycan, epsilon
		ATP7B	ATPase, Cu++ transporting, beta polypeptide
		NOTCH3	Notch homolog 3 (Drosophila)
		SGCR	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein)
		TRIP6	thyroid hormone receptor interactor 6
		GPC1	glypican 1
		CSE3R	colony stimulating factor 3 receptor (granulocyte)
		ERP	emopamil binding protein (sterol isomerase)
		ITGB4	integrin, beta 4
		PGRMC1	progesterone receptor membrane component 1
		KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2
		GP9	glycoprotein IX (platelet)
		ATP2B4	ATPase, Ca++ transporting, plasma membrane 4
		SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1
		FRS2	fibroblast growth factor receptor substrate 2
		HS3ST3B1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1
		CD47	CD47 molecule
		MERTK	c-mer proto-oncogene tyrosine kinase
		PTPRM	protein tyrosine phosphatase, receptor type, M
		SIMAP	sarcolemma associated protein
		KTN1	kinectin 1 (kinesin receptor)
		IL1RAP	interleukin 1 receptor accessory protein
		ST3GAL5	ST3 beta-galactoside alpha-2,3-sialyltransferase 5
		ROR1	receptor tyrosine kinase-like orphan receptor 1
		EFNB2	ephrin-B2
		CLCNKA	chloride channel Ka
		FZD3	frizzled homolog 3 (Drosophila)
		MEME	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase)
		GOLM1	
		SLC34A2	solute carrier family 34 (sodium phosphate), member 2
		TNFSF10	tumor necrosis factor (ligand) superfamily, member 10

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		CRIP1	cysteine-rich protein 1 (intestinal)
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		TIMM9	translocase of inner mitochondrial membrane 9 homolog (yeast)
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		PRNP	prion protein (p27-30) (Creutzfeldt-Jakob disease, Gerstmann-Strausler-Scheinker syndrome)
		STK38L	serine/threonine kinase 38 like
		GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)
		TIMM9	translocase of inner mitochondrial membrane 9 homolog (yeast)
		RLF	rearranged L-myc fusion
		STK3	serine/threonine kinase 3 (STE20 homolog, yeast)
		EEA1	early endosome antigen 1, 162kD
		MT1X	metallothionein IX
		ZNF146	zinc finger protein 146
		MDM4	Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)

LMP
miHO-1

,System Development'

	TGFB1	transforming growth factor, beta 1 (Camurati-Engelmann disease)
	TPP1	tripeptidyl peptidase 1
	DPYSL5	dihydropyrimidinase-like 5
	APOE	apolipoprotein E
	IGF2	insulin-like growth factor 2 (somatomedin A)
	ACVRL1	activin A receptor, type 1B
	FGFR3	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)
	SGCE	sarcoglycan, epsilon
	SGCB	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein)
	NRTN	neurturin
	NRGN	neurogranin (protein kinase C substrate, RC3)
	SOX15	SBY (sex determining region Y)-hox 15
	DHCR24	24-dehydrocholesterol reductase
	PML	promyelocytic leukemia
	DVL2	dishevelled, dsh homolog 2 (Drosophila)
	COL1A1	collagen, type I, alpha 1
	HDAC5	histone deacetylase 5
	TAZ	tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)
	ERP	emopamil binding protein (sterol isomerase)
	GHRHR	growth hormone releasing hormone receptor
	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2
	POU6F1	POU domain, class 6, transcription factor 1
	NRD1	nardilysin (N-arginine dibasic convertase)
	EXT1	exostoses (multiple) 1
	NCOA4	nuclear receptor coactivator 4
	NCKAP1	NCK-associated protein 1
	COL12A1	collagen, type XII, alpha 1
	SRI	sorcin
	UBE3A	ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome)
	RTN4	reticulon 4
	IQCB1	IQ motif containing B1
	DSP	desmoplakin
	EKTN	
	ENC1	ectodermal-neural cortex (with RTB-like domain)
	UTRN	utrophin (homologous to dystrophin)
	CASP14	caspase 14, apoptosis-related cysteine peptidase
	CACMB2	calcium channel, voltage-dependent, beta 2 subunit
	HEY1	hairly/enhancer-of-split related with YRPW motif 1
	ALX1	

LMP
miHO-1

,Membrane Fraction'

	HMOX1	heme oxygenase (decycling) 1
	SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4
	SLC16A3	solute carrier family 16, member 3 (monocarboxylic acid transporter 4)
	A4GALT	alpha 1,4-galactosyltransferase (globotriaosylceramide synthase)
	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2
	TSPAN15	tetraspanin 15
	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)
	SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)
	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1
	CDH5	cadherin 5, type 2, VE-cadherin (vascular epithelium)
	LASS5	LAG1 homolog, ceramide synthase 5 (S. cerevisiae)
	ATP6V1F	ATPase, H ⁺ transporting, lysosomal 14kDa, V1 subunit F
	FRS2	fibroblast growth factor receptor substrate 2
	EB01L	EB01-like (S. cerevisiae)
	KTN1	kinectin 1 (kinesin receptor)
	EEA1	early endosome antigen 1, 162kD
	DSC3	desmocollin 3
	UTRN	utrophin (homologous to dystrophin)
	RPL7A	ribosomal protein L7a
	SLC34A2	solute carrier family 34 (sodium phosphate), member 2