



# PROTEASE ASSAYS LIST

ASSAY NAME	APPROVED NAME	LONG NAME	SYNONYMS	FAMILY
ACE	ACE	angiotensin I converting enzyme	ACE1, CD143, "peptidyl-dipeptidase A", DCP1	metallo
ACE2	ACE2	angiotensin I converting enzyme 2	"peptidyl-dipeptidase A"	metallo
ADAM10	ADAM10	ADAM metallopeptidase domain 10	CD156c, HsT18717, kuz, MADM	metallo
ADAM17	ADAM17	ADAM metallopeptidase domain 17	CD156B, cSVP, TACE	metallo
BACE1	BACE1	beta-secretase 1	BACE, "beta-site APP-cleaving enzyme 1"	aspartyl
CAPN1	CAPN1	calpain 1	CANP, CANPL1, muCANP, muCL	cysteine
CASP1	CASP1	caspase 1	"caspase-1", ICE, "interleukin 1, beta, convertase", IL1BC	cysteine
CASP2	CASP2	caspase 2	ICH1, MGC2181, PPP1R57, "protein phosphatase 1, regulatory subunit 57", NEDD2	cysteine
CASP3	CASP3	caspase 3	apopain, CPP32, CPP32B, Yama	cysteine
CASP4	CASP4	caspase 4	ICE(rel)II	cysteine
CASP5	CASP5	caspase 5	ICE(rel)III	cysteine
CASP6	CASP6	caspase 6	MCH2	cysteine
CASP7	CASP7	caspase 7	CMH-1, ICE-LAP3, MCH3	cysteine
CASP8	CASP8	caspase 8	Casp-8, FLICE, MACH, MCH5	cysteine
CASP9	CASP9	caspase 9	APAF-3, ICE-LAP6, MCH6, PPP1R56, "protein phosphatase 1, regulatory subunit 56"	cysteine
CTSB	CTSB	cathepsin B	-	cysteine
CTSD	CTSD	cathepsin D	"ceroid-lipofuscinosis, neuronal 10", CLN10, CPSD	aspartyl
CTSK	CTSK	cathepsin K	PKND, CTSO, CTSO2, PYCD	cysteine



## PROTEASE ASSAYS LIST (CONTINUED)

ASSAY NAME	APPROVED NAME	LONG NAME	SYNONYMS	FAMILY
CTSL	CTSL	cathepsin L	FLJ31037, CTSL1	cysteine
CTSS	CTSS	cathepsin S	-	cysteine
Chymotrypsin-C	CTRC	chymotrypsin C	elastase 4, CLCR, ELA4	serine
COVID-19 Plpro	Plpro	SARS-CoV-2 papain-like protease		cysteine
DPP3	DPP3	dipeptidyl peptidase 3	"dipeptidylpeptidase III"	metallo
DPP4	DPP4	dipeptidyl peptidase 4	DPPIV, ADCP2, CD26	serine
DPP8	DPP8	dipeptidyl peptidase 8	"dipeptidyl peptidase IV-related protein-1", "dipeptidyl peptidase VIII", DP8, DPRP1, FLJ14920, FLJ20283, MGC26191, MSTP141, "prolyl dipeptidase DPP8"	serine
DPP9	DPP9	dipeptidyl peptidase 9	-	serine
ELA2	ELANE	elastase, neutrophil expressed		serine
F2	F2	coagulation factor II, thrombin	"prepro-coagulation factor II"	serine
FACTOR VII	FACTOR VII	coagulation factor VII	"eptacog alfa", "factor VII", "FVII coagulation protein"	serine
FACTOR Xa	FACTOR Xa	coagulation factor X	-	serine
FAP	FAP	fibroblast activation protein alpha	DPPIV, "seprase"	serine
FURIN	FURIN	furin, paired basic amino acid cleaving enzyme	SPC1, FUR, PACE, PCSK3	serine
GZMA	GZMA	granzyme A	"CTL tryptase", "Cytotoxic T-lymphocyte-associated serine esterase-3", "granzyme 1", "Hanukah factor serine protease)", CTLA3, HFSP	serine
GZMB	GZMB	granzyme B	"cathepsin G-like 1", CCPI, CGL1, CSPB, CTSG1, "cytotoxic serine protease B", "cytotoxic T-lymphocyte-associated serine esterase 1", "fragmentin 2", "granzyme 2", HLP, SECT, "T-cell serine protease 1-3E", CTLA1	serine
GZMK	GZMK	granzyme K	PRSS, TRYP2, "tryptase II"	serine



## PROTEASE ASSAYS LIST (CONTINUED)

ASSAY NAME	APPROVED NAME	LONG NAME	SYNONYMS	FAMILY
HTRA2	HTRA2	HtrA serine peptidase 2	OMI, PARK13, PRSS25	serine
IDE	IDE	insulin degrading enzyme	"insulysin"	metallo
KLKB1	KLKB1	kallikrein B1		serine
KLK11	KLK11	kallikrein related peptidase 11	TLSP, PRSS20	serine
KLK13	KLK13	kallikrein related peptidase 13	KLK-L4	serine
KLK4	KLK4	kallikrein related peptidase 4	EMSP, EMSP1, "enamel matrix serine proteinase 1", KLK-L1, PSTS	serine
KLK5				
KLK7	KLK7	kallikrein related peptidase 7	SCCE, PRSS6	serine
MME	MME	membrane metalloendopeptidase	CALLA, CD10, "enkephalinase", NEP, "neprilysin", "neutral endopeptidase"	metallo
MMP1	MMP1	matrix metallopeptidase 1	CLG, "interstitial collagenase"	metallo
MMP12	MMP12	matrix metallopeptidase 12	HME, "macrophage elastase"	metallo
MMP13	MMP13	matrix metallopeptidase 13	CLG3, "collagenase 3"	metallo
MMP14	MMP14	matrix metallopeptidase 14	"membrane type 1 metalloprotease", MT1-MMP	metallo
MMP2	MMP2	matrix metallopeptidase 2	TBE-1, CLG4, CLG4A	metallo
MMP3	MMP3	matrix metallopeptidase 3	STMY, STMY1	metallo
MMP7	MMP7	matrix metallopeptidase 7	"matrilysin", PUMP-1, MPSL1	metallo
MMP8	MMP8	matrix metallopeptidase 8	CLG1, "matrix metalloproteinase 8 (neutrophil collagenase)"	metallo
MMP9	MMP9	matrix metallopeptidase 9	CLG4B, "matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)"	metallo
Mpro SARS CoV2	3CLPro	SARS-CoV-2 main protease		cysteine
PLAT	PLAT	plasminogen activator, tissue type	-	serine
PLAU	PLAU	plasminogen activator, urokinase	UPA, URK	serine



## PROTEASE ASSAYS LIST (CONTINUED)

ASSAY NAME	APPROVED NAME	LONG NAME	SYNONYMS	FAMILY
PLG	PLG	plasminogen	-	serine
PREP	PREP	prolyl endopeptidase	"prolyl oligopeptidase"	serine
PSMB10, MECL1	PSMB10, MECL1	proteasome subunit beta 10	beta2i, LMP10, MGC1665, MECL1	threonine
PSMB5, beta 5	PSMB5, beta 5	proteasome subunit beta 5	MB1, X	threonine
PSMB6, beta 6	PSMB6, beta 6	proteasome subunit beta 6	DELTA, Y	threonine
PSMB7, beta 7	PSMB7, beta 7	proteasome subunit beta 7	-	threonine
PSMB8, LMP7	PSMB8, LMP7	proteasome subunit beta 8	beta5j, D6S216E, PSMB5j, RING10, LMP7	threonine
PSMB9, LMP2	PSMB9, LMP2	proteasome subunit beta 9	beta1i, PSMB6i, RING12, LMP2	threonine
ST14	ST14	suppression of tumorigenicity 14	"epithin", HAI, "matriptase", MT-SP1, SNC19, TMPRSS14, PRSS14	serine
TMPRSS2	TMPRSS2	transmembrane serine protease 2	PRSS10	serine
TMPRSS5	TMPRSS5	transmembrane protease, serine 5	MGC141886, MGC148044, "spinesin"	serine

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