

Recombinant Human CTSD Protein

Catalog #	Source	Reactivity	Applications
CRP1391	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CTSD Protein is produced by our mammalian expression system in human cells. The target protein is expressed with the full length sequence of Human CTSD fused with a polyhistidine tag at the C-terminus.		
Form	Liquid in a 0.2 μM filtered solution of 20mM MES, 150mM NaCl, pH 5.5.		
Gene Symbol	CTSD		
Alternative Names	CPSD; Cathepsin D		
Entrez Gene	1509 (Human)		
SwissProt	P07339 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	<p>SALVRIPLHK FTSIRRTMSE VGGSVEDLIA KGPVSKYSQA VPAVTEGPIP EVLKNYMDAQ YYGEIGIGTP PQCFTVVFDT GSSNLWVPSI HCKLLDIACW IHHKYNSDKS STYVKNGTSF DIHYGSGSLS GYLSQDTVSV PCQSASSASA LGGVKVERQV FGEATKQPGI TFIAAKFDGI LGMAYPRISV NNVLPVFDNL MQQKLVDQNI FSFYLSRDPD AQPGGELMLG GTDSKYYKGS LSYLNVTRKA YWQVHLDQVE VASGLTLCKE GCEAIVDTGT SLMVGPVDEV RELQKAIGAV PLIQGEYMIP CEKVSTLPAI TLKLGKGYK LSPEDYTLKV SQAGKTLCLS GFMGMDIPPP SGPLWILGDV FIGRYTYTFD RDNNRVGFAE AARLVDHHHH HH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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