

Recombinant Human CTSL Protein

Catalog #	Source	Reactivity	Applications
CRP1397	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CTSL Protein is produced by our mammalian expression system in human cells. The target protein is expressed with the full length sequence of Human Cathepsin L fused with a polyhistidine tag at the C-terminus.		
Form	Liquid in a 0.2 μM filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.5.		
Gene Symbol	CTSL		
Alternative Names	CTSL1; Cathepsin L1; Cathepsin L; Major excreted protein; MEP		
Entrez Gene	1514 (Human)		
SwissProt	P07711 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	<p>TLTFDHSLEA QWTKWKAMHN RLYGMNEEGW RRAVWEKKNVK MIELHNQEYR</p> <p>EGKHSFTMAM NAFGDMTSEE FRQVMNGFQN RKPRKGKVFQ EPLFYEAPRS</p> <p>VDWREKGYVT PVKNQGQCGS CWAFSATGAL EGQMFRKTGR LISLSEQNLV</p> <p>DCSGPQGNEG CNGGLMDYAF QYVQDNGGLD SEESYPYEAT EESCKYNPKY SVANDTGFVD</p> <p>IPKQEALMK AVATVGPIVS AIDAGHESFL FYKEGIYFEP DCSEDMDHG VLVVGYGFES</p> <p>TESDNNKYWL VKNSWGEEWG MGGYVKMAKD RRNHCGIASA ASYPTVVDHH HHHH</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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