

## Recombinant Human CTSS Protein

Catalog #	Source	Reactivity	Applications
CRP1399	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human CTSS Protein is produced by our mammalian expression system in human cells. The target protein is expressed with the full length sequence of Human CTSS fused with a polyhistidine tag at the C-terminus.		
<b>Form</b>	Liquid in a 0.2 μM filtered solution of 20mM MES, 150mM NaCl, 10% Glycerol, pH 5.5.		
<b>Gene Symbol</b>	CTSS		
<b>Alternative Names</b>	Cathepsin S		
<b>Entrez Gene</b>	1520 (Human)		
<b>SwissProt</b>	P25774 (Human)		
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
<b>Chemical Structure</b>	QLHKDPTLDH HWHLWKKTYG KQYKEKNEEA VRRLIWEKNL KFMVMLHNLEH SMGMHSYDLG MNHLGDMTSE EVMSLMSSLR VPSQWQRNIT YKSNPNWILP DSVDWREKGC VTEVKYQGSC GACWAFSAVG ALEAQLKLT GKLVSLSAQN LVDCSTEKYG NKGCGGGFMT TAFQYIIDNK GIDSDASYPY KAMDQKQYD SKYRAATCSK YTELPYGRED VLKEAVANKG PVSVGVDARH PSFFLYRSGV YYEPSCTQNV NHGVLVVGYG DLNGKEYWL KNSWGHNFGE EGYIRMARNK GNHCGIASFP SYPEIVDHHH HHH		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
<b>Storage/Stability</b>	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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