

Recombinant Human CTSE Protein

Catalog #	Source	Reactivity	Applications
CRP1393	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CTSE Protein is produced by our Mammalian expression system and the target gene encoding Ser20-Pro396 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM MES, 150mM NaCl, pH 5.5		
Gene Symbol	CTSE		
Alternative Names	Cathepsin E		
Entrez Gene	1510 (Human)		
SwissProt	P14091 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	SLHRVPLRRH PSLKKKLRAR SQLSEFWKSH NLDMIQFTES CSMDQSAKEP LINYLDMEYF GTISIGSPPQ NFTVIFDTGS SNLWVPSVYC TSPACKTHSR FQPSQSSTYS QPGQSFSIQY GTGSLSGIIG ADQVSVEGLT VVGQQFGESV TEPGQTFVDA EFDGILGLGY PSLAVGGVTP VFDNMMAQNL VDLPMFSVYM SSNPEGGAGS ELIFGGYDHS HFSGSLNWVP VTKQAYWQIA LDNIQVGGTV MFCSEGCQAI VDTGTSLITG PSDKIKQLQN AIGAAPVDGE YAVECANLNV MPDVTFTING VPYTLSPAY TLLDFVDGMQ FCSSGFQGLD IHPPAGPLWI LGDVFIRQFY SVFDRGNNRV GLAPAVPVDH HHHHH		
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. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

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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Product Data Sheet

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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