

## Recombinant Human CTSH Protein

Catalog #	Source	Reactivity	Applications
CRP1395	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human CTSH Protein is produced by our mammalian expression system and the target gene encoding Ala23-Val335 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
<b>Gene Symbol</b>	CTSH		
<b>Alternative Names</b>	CPSB; Pro-cathepsin H		
<b>Entrez Gene</b>	1512 (Human)		
<b>SwissProt</b>	P09668 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>AELSVNSLEK FHFKSWMSKH RKTYSTEEYH HRLQTFASNW RKINAHNNGN HTFKMALNQF  SDMSFAEIKH KYLWSEPQNC SATKSNYLRG TGPYPPSVDW RKKGNFVSPV KNQGACGSCW  TFSTTGALES AIAIATGKML SLAEQQLVDC AQDFNNHGCQ GGLPSQAF EY ILYNKGIMGE  DTYPYQ GKDG YCKFQPGKAI GFVKDVANIT IYDEEAMVEA VALYNPVSFA FEVTQDFMMY  RTGIYSTSC HKTPDKVNHA VLAVGYGEKN GIPYWIVKNS WGPQWGMNGY  FLIERGKNMC GLAACASYPI PLVVDHHHHH H</p>		
<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. 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.		
<b>Storage/Stability</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature		
<b>Application key:</b>	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		
<b>Species reactivity key:</b>	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

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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