

Recombinant Mouse Cathepsin S Protein

Catalog #	Source	Reactivity	Applications
CRP2858	Human cells	Mouse	E, WB, SDS-PAGE, MS
Description	Recombinant Mouse Cathepsin S Protein is produced by mammalian expression system and the target gene encoding Val18-Ile340 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.		
Gene Symbol	CTSS		
Alternative Names	Cathepsin S		
Entrez Gene	13040 (Mouse)		
SwissProt	O70370 (Mouse)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>VCSVAMEQLQ RDPTLDYHWD LWKKTHEKEY KDKNEEEVRR LIWEKNLKFI MIHNLEYSMG</p> <p>MHTYQVGMND MGDMTNEEIL CRMGALRIPR QSPKTVTFRS YSNRTLPTDV</p> <p>DWREKGCVTE VKYQGSCGAC WAFSAVGALE GQLKLTGKL ISLSAQNLDV CSNEEKYGNK</p> <p>GCGGGYMTEA FQYIIDNGGI EADASYPYKA TDEKCHYNSK NRAATCSRYI QLPFGDEDAL</p> <p>KEAVATKGPV SVGIDASHSS FFFYKSGVYD DPSTGTVNH GVLVVGYGTL DGKDYWLKVN</p> <p>SWGLNFGDQG YIRMARNNKN HCGIASYCSY PEIVDHHHHH H</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. 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 ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Lyophilized protein should be stored at -20°C, though stable at room temperature		
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

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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