

Recombinant Human CTSB Protein

Catalog #	Source	Reactivity	Applications
CRP1389	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human CTSB Protein is produced by mammalian expression system in human cells. The target protein is expressed with full length sequence of Human Cathepsin B fused with a polyhistidine tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of PBS, pH7.4.		
Gene Symbol	CTSB		
Alternative Names	CPSB; Cathepsin B; APP secretase; APPS; Cathepsin B1		
Entrez Gene	1508 (Human)		
SwissProt	P07858 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	RSRPSFHPVS DELVNYVNKR NTTWQAGHNF YNVDMGYLKR LCGTFLGGPK PPQRMFTED LKLPASFDAR EQWPQCPTIK EIRDQGSCGS CWAFGAVEAI SDRICHTNA HVSVEVSAED LLTCCGSMCG DGCNGGYPAE AWNFWTRKGL VSGGLYESHV GCRPYSIPPC EHHVNGSRPP CTGEGDTPKC SKICEPGYSP TYKQDKHYGY NSYSVSNSEK DIMAEIYKNG PVEGAFSVYS DFLLYKSGVY QHVTGEMMGG HAIRILGWGV ENGTPYWLVA NSWNTDWGDN GFFKILRGQD HCGIESEVVA GIPRTDQYWE KIVDHHHHHH		
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. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated 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

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