

Recombinant Human CTSA Protein

Catalog #	Source	Reactivity	Applications
CRP1388	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human CTSA Protein is produced by our mammalian expression system and the target gene encoding Ala29-Tyr480 is expressed with a 6His tag at the C-terminus.
Form	Liquid in a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Gene Symbol	CTSA
Alternative Names	PPGB; Lysosomal protective protein; Carboxypeptidase C; Carboxypeptidase L; Cathepsin A; Protective protein cathepsin A; PPCA; Protective protein for beta-galactosidase
Entrez Gene	5476 (Human)
SwissProt	P10619 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	APDQDEIQRL PGLAKQPSFR QYSGYLGSG SKHLHYWFVE SQKDPENSPV VLWLNGGPGC SSLDGLLTEH GPFLVQPDGV TLEYNPYSWN LIANVLYLES PAGVGFYSYD DKFYATNDTE VAQSNFEALQ DFFRLFPEYK NNKLFLTGES YAGIYIPTLA VLVMQDPSMN LQGLAVGNGL SSYEQNDNSL VYFAYYHGLL GNRLWSSLQT HCCSQNKCNF YDNKDLECVT NLQEVARIVG NSGLNIYNLY APCAGGVPSH FRYEKDTVVV QDLGNIFTRL PLKRMWHQAL LRSGDKVRMD PPCTNTTAAS TYLNNPYVRK ALNIPEQLPQ WDMCNFLVNL QYRRLYRSMN SQYLKLLSSQ KYQILLYNGD VDMACNFMGD EWFVDSLQK MEVQRRPWLK KYGDSGEQIA GFVKEFSHIA FLTIKGAGHM VPTDKPLAAF TMFSRFLNKQ PYHHHHHH
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. It is recommended that the protein be
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

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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