

Cathepsin D (CTSD) Recombinant Protein | CTSD recombinant protein

Recombinant Human Cathepsin D (CTSD), Partial

CATALOG #
AAA235621

HOST
E Coli

PRODUCT SYNONYMS

Cathepsin D (CTSD); Recombinant Human Cathepsin D (CTSD); Partial; CTSD recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Specificity	Expressed in the aorta extracellular space (at protein level) (PubMed:20551380). Expressed in liver (at protein level) (PubMed:1426530).
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	67-403aa; Partial
Sequence	IPEVLKNYMD AQYYGEIGIG TPPQCFTVVF DTGSSNLWVP SIHCKLLDIA CWHHKYNSD KSSTYVKNGT SFDIHYGSGS LSGYLSQDTV SVPCQSASSA SALGGVKVER QVFGGATKQP GITFIAAKFD GILGMAYPRI SVNNVLPVFD NLMQQLVDQ NIFSFYLSRD PDAQPGGELM LGGTDSKYK GSLSYLVNTR KAYWQVHLDQ VEVASGLTLC KEGCEAIVDT GTSLMVGPVD EVRELQKAIG AVPLIQGEYM IPCEKVSTLP AITLKLGGKG YKLSPEDYTL KVSQAGKTLC LSGFMGMDIP PPSGPLWLILG DVFIGRYYTV FDRDNNR
Species	Human
Tag	N-terminal 6xHis-tagged
Subcellular Location	Lysosome, Melanosome, Secreted, Extracellular Space
Protein Families	Peptidase A1 family
Pathway	Estrogen Signaling Pathway
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

ADDITIONAL INFORMATION

Related Product Information for CTSD recombinant protein	Acid protease active in intracellular protein breakdown. Involved in the pathogenesis of several diseases such as breast cancer and possibly Alzheimer disease.
Product Categories/Family for CTSD recombinant protein	Neuroscience
References	Proteomic and bioinformatic characterization of the biogenesis and function of melanosomes. Chi A., Valencia J.C., Hu Z.-Z., Watabe H., Yamaguchi H., Mangini N.J., Huang H., Canfield V.A., Cheng K.C., Yang F., Abe R., Yamagishi S., Shabanowitz J., Hearing V.J., Wu C., Appella E., Hunt D.F.J. Proteome Res. 5:3135-3144(2006).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503143
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NCBI GeneID	1509
NCBI Accession #	NP_001900.1
NCBI GenBank Nucleotide #	NM_001909.5
UniProt Accession #	P07339
Molecular Weight	40.8 kDa
NCBI Official Full Name	cathepsin D preproprotein
NCBI Official Synonym Full Names	cathepsin D
NCBI Official Symbol	CTSD
NCBI Official Synonym Symbols	CPSD; CLN10; HEL-S-130P
NCBI Protein Information	cathepsin D
UniProt Protein Name	Cathepsin D
UniProt Gene Name	CTSD
UniProt Synonym Gene Names	CPSD
UniProt Entry Name	CATD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ctsd-recombinant-protein-e-coli/235621>