

Active Recombinant Human CTSD protein, His-tagged

Cat. No. CTSD-04H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CTSD protein(P07339) (Met 1-Leu 412) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-412 aa
Form	Lyophilized from sterile 25mM MES, 150mM NaCl, pH 6.5.
Bio-activity	Measured by its ability to bind biotinylated human CTSS-His in a functional ELISA.
Molecular Mass	The secreted recombinant human CTSD (pro form) consists of 405 amino acids and has a predicted molecular mass of 44 kDa. As a result of different glycosylation, the apparent molecular mass of rhCTSD is approximately 40-110 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name CTSD cathepsin D [Homo sapiens]

Official Symbol CTSD

Synonyms

CTSD; cathepsin D; cathepsin D (lysosomal aspartyl protease), CPSD; ceroid lipofuscinosis; neuronal 10; CLN10; lysosomal aspartyl protease; lysosomal aspartyl peptidase; ceroid-lipofuscinosis, neuronal 10; CPSD; MGC2311;

Gene ID 1509

mRNA Refseq NM_001909

Protein Refseq NP_001900

MIM 116840

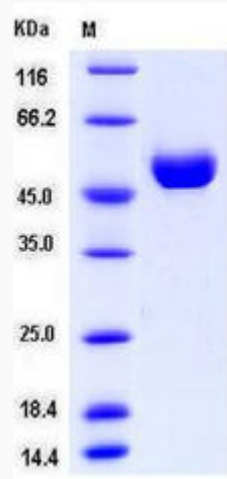
UniProt ID P07339

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SDS-PAGE



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