

Recombinant Full Length Human CTSD, His tagged

Cat. No. CTSD-6918H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSD (P07339) pro form (Met 1-Leu 412), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.
Species	Human
Source	HEK293
ProteinLength	1-412 aa
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
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 protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted 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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