

## Recombinant Full Length Human CTSD, His tagged

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human CTSD (P07339) pro form (Met 1-Leu 412), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | 1-412 aa  |
| <b>Form</b>             | Lyophilized from sterile 50 mM Tris, pH 8.0.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.  |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.  |
| <b>Purity</b>           | > 97 % as determined by SDS-PAGE  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>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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