

PRODUCT INFORMATION

CTSD Target

Synonyms CPSD; CLN10; HEL-S-130P

Recombinant human CTSD Protein with C-**Description**

terminal 10×His tag

Delivery In Stock **Uniprot ID** P07339 **Expression Host HEK293**

Tag C-10×His tag

Molecular Characterization

Background

CTSD(Leu21-Leu412) 10×His tag

The protein has a predicted molecular mass of 44.0 kDa after removal of the signal peptide. The **Molecular Weight**

apparent molecular mass of CTSD-His is

approximately 35-55 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a member of the A1 family of peptidases. The encoded preproprotein is proteolytically processed to generate multiple protein products. These products include the cathepsin D light and heavy chains, which heterodimerize to form the mature enzyme. This enzyme exhibits pepsin-like activity and plays a role in protein turnover and in the proteolytic activation of hormones and growth factors.

Mutations in this gene play a causal role in neuronal ceroid lipofuscinosis-10 and may be involved in the pathogenesis of several other diseases, including breast cancer and possibly Alzheimer's disease. [provided by RefSeq, Nov

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Usage Research use only Conjugate Unconjugated





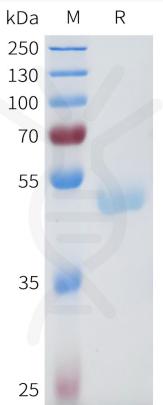


Figure 1. Human CTSD Protein, His Tag on SDS-PAGE under reducing condition.

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