

# Product datasheet for TP720341L

## Cathepsin D (CTSD) (NM\_001909) Human Recombinant Protein

## **Product data:**

#### **Product Type: Recombinant Proteins Description:** Recombinant protein of human cathepsin D (CTSD) Species: Human **HEK293 Expression Host: Expression cDNA Clone** Leu21-Leu412 or AA Sequence: C-His Tag: Predicted MW: 43.8 kDa **Concentration:** lot specific **Purity:** >95% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl Endotoxin: < 0.1 EU per µg protein as determined by LAL test Store at -80°C. Storage: Stability: Stable for at least 3 months from date of receipt under proper storage and handling conditions. NP 001900 **RefSeq:** Locus ID: 1509 **UniProt ID:** P07339, V9HWI3 Cytogenetics: 11p15.5 Synonyms: CLN10; CPSD; HEL-S-130P Summary: 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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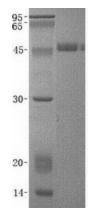
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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Protein Families: Druggable Genome, Protease

Protein Pathways: Lysosome

### **Product images:**



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