

Product datasheet for **TP720341**

Cathepsin D (CTSD) (NM_001909) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cathepsin D (CTSD)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Leu21-Leu412
Tag:	C-His
Predicted MW:	43.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Supplied as a 0.2 um filtered solution of 20mM MES, 150mM NaCl, pH 5.5.
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001900
Locus ID:	1509
UniProt ID:	P07339
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 2015]



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Protein Families: Druggable Genome, Protease

Protein Pathways: Lysosome

Product images:

