

Product datasheet for **TP720793M**

Purified recombinant protein of Mouse cathepsin L (Ctsl) (Ctsl) (NM_009984) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cathepsin L (Ctsl)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Thr18-Asn334
Tag:	C-His
Predicted MW:	36.8 kDa
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
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_034114
Locus ID:	13039
UniProt ID:	P06797 , Q543M3
RefSeq Size:	1971
Cytogenetics:	13 33.26 cM
RefSeq ORF:	1002
Synonyms:	1190035F06Rik; CatL; Ctsl1; fs; ME; MEP; nkt



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Summary:

This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. The encoded preproprotein is proteolytically processed to generate multiple protein products. These products include the activation peptide and the cathepsin L1 heavy and light chains. The mature enzyme appears to be important in embryonic development through its processing of histone H3 and may play a role in disease progression in a model of kidney disease. Homozygous knockout mice for this gene exhibit hair loss, skin thickening, bone and heart defects, and enhanced susceptibility to bacterial infection. A pseudogene of this gene has been identified in the genome. [provided by RefSeq, Aug 2015]