

Recombinant Mouse CtSl Protein (Thr18-Asn334), C-His tagged

Cat. No. Ctsl-5418M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CtSl (Thr18-Asn334) fused with the C-terminal His tag was expressed in mammalian cells.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Thr18-Asn334
Description	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.
Form	Lyophilized powder/frozen liquid
Molecular Mass	34.87 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS or lyophilized from PBS.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Ctsl cathepsin L [<i>Mus musculus</i> (house mouse)]
Official Symbol	Ctsl
Synonyms	Ctsl; cathepsin L; fs; MEP; nkt; CatL; Ctsl1; 1190035F06Rik; procathepsin L; Cat L; cathepsin L1; major excreted protein; p39 cysteine proteinase; EC 3.4.22.15
Gene ID	13039
mRNA Refseq	NM_009984
Protein Refseq	NP_034114
UniProt ID	P06797

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