

[Go to Product page](#)

Datasheet for ABIN1096242

Cathepsin L Protein (AA 18-333) (His tag)

Overview

Quantity:	50 µg
Target:	Cathepsin L (CTSL1)
Protein Characteristics:	AA 18-333
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin L protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cathepsin L/CTSL (C-6His)
Sequence:	TLTFDHSLEA QWTKWKAMHN RLYGMNEEGW RRAVWEKNVK MIELHNQEYR EGKHSFTMAM NAFGDMTSEE FRQVMNGFQN RKPRKGKVFQ EPLFYEAPRS VDWREKGYVT PVKNQGQCGS CWAFSATGAL EGQMFRKTGR LISLSEQNLV DCSGPQGNEG CNGGLMDYAF QYVQDNGGLD SEESYPYEAT EESCKYNPKY SVANDTGFVD IPKQEKALMK AVATVGPISV AIDAGHESFL FYKEGIYFEP DCSSEDMDHG VLVVGYGFES TESDNNKYWL VKNSWGEEWG MGGYVKMAKD RRNHCGIASA ASYPTVVDHH HHHH
Characteristics:	Recombinant Human Cathepsin L/CTSL (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Cathepsin L (CTSL1)
Alternative Name:	Cathepsin L (CTSL1 Products)
Background:	<p>Recombinant Human Cathepsin L is produced by our mammalian expression system in human cells. The target protein is expressed with the full length sequence of Human Cathepsin L fused with a polyhistidine tag at the C-terminus.</p> <p>Cathepsin L is an enzyme. Cathepsin L, a lysosomal endopeptidase expressed in most eukaryotic cells, is a member of the papain-like family of cysteine proteinases. Cathepsin L plays a major role in antigen processing, tumor invasion and metastasis, bone resorption, and turnover of intracellular and secreted proteins involved in growth regulation. Unlike the precursor forms of other papain family members, the 43 kDa pro-cathepsin L itself is secreted from various cells. Pro-cathepsin L is the major excreted protein of malignantly transformed mouse fibroblasts and is also one of the major acidic cysteine proteases in mammalian cells.</p>
Molecular Weight:	36.88 kDa
UniProt:	P07711
Pathways:	Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM HAc-NaAc, 150 mM NaCl, pH 4.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months