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Cathepsin L Protein (AA 18-334) (His tag)





Go to Product page

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Quantity:	50 μg
Target:	Cathepsin L (CTSL1)
Protein Characteristics:	AA 18-334
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin L protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Cathepsin L/CTSL Protein (aa 18-334, His Tag)	
Sequence:	Thr18-Asn334	
Characteristics:	Recombinant Mouse Cathepsin L is produced by our Mammalian expression system and the target gene encoding Thr18-Asn334 is expressed with a 6His tag at the C-terminus.	
Purity:	> 95 % as determined by SDS-PAGE	
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.	

Target Details

Target:	Cathepsin L (CTSL1)
Alternative Name:	Cathepsin L/CTSL (CTSL1 Products)
Background: Background: Mouse Cathepsin L is a lysosomal cysteine proteinase which is a mem	

peptidase C1 family. This protein is a dimer composed of disulfide-linked heavy and light chains, both produced from a single protein precursor. Cathepsin L plays a major role in intracellular protein catabolism. Its substrates include collagen and elastin, as well as alpha-1 protease inhibitor, a major controlling element of neutrophil elastase activity. Cathepsin L has been implicated in several pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. Synonym: Cathepsin L1, Major excreted protein, p39 cysteine proteinase, Ctsl1,1190035F06Rik

Molecular Weight: 36.8 kDa

UniProt: P06797

Pathways: Activation of Innate immune Response, Toll-Like Receptors Cascades

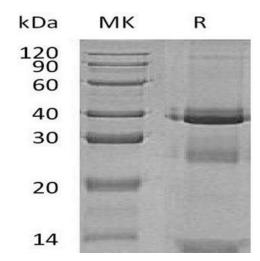
Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.