

Recombinant Human CTSL Protein, MYC/DDK-tagged

Cat. No. CTSL-3380H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSL protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a lysosomal cysteine proteinase that 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. The encoded protein has been implicated in several pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. This protein, which is a member of the peptidase C1 family, is a dimer composed of disulfide-linked heavy and light chains, both produced from a single protein precursor. Multiple alternatively spliced transcript variants have been found for this gene.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	35.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	Ctsl cathepsin L [Mus musculus (house mouse)]
Official Symbol	CTSL
Synonyms	CATL; CTSL1; MEP
Gene ID	13039
mRNA Refseq	NM_009984.3
Protein Refseq	NP_034114.1
UniProt ID	P06797

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