

Recombinant Full Length Human CTSL Protein, GST-tagged

Cat. No. CTSL-2357HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CTSL full-length ORF (AAH12612.1, 1 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	333 amino acids
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. [provided by RefSeq, Apr 2012]
Molecular Mass	62.37 kDa
AA Sequence	MNPTLILAAAFCLGIASATLTFDHSLEAQWTKWKAMHNRLYGMNEEGWRRRAVWEKN VKMIELHNQEYREGKHSFTMAMNAFGDMTSEEFRQVMNGFQNRKPRKGKVFQEPL FYEAPRSVDWREKGYVTPVKNQGCQSCWAFSATGALEGQMFRKTGRLISLSEQN LVDCSGPQGNEGCNGGLMDYAFQYVQDNGGLDSEESYPYEATEESCKYNPKYSV

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ANDTGFVDIPKQEKALMKAVATVGPISVAIDAGHESFLFYKEGIYFEPDCSSEDMDH
GVLVVGYGFESESDNNKYWLVKNSWGEEWGMGGYVKMAKDRRNHCGIASAASY
PTV

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CTSL cathepsin L [Homo sapiens (human)]

Official Symbol

CTSL

Synonyms

CTSL1; cathepsin L1; cathepsin L , CTSL; FLJ31037; cathepsin L; major excreted protein; MEP; CATL; CTSL;

Gene ID

1514

mRNA Refseq

NM_001257971

Protein Refseq

NP_001244900

MIM

116880

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UniProt ID

P07711

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