

HuPro®

CTSL (Human) Recombinant Protein

Catalog # P7640

Size 10 ug

Specification

Product Description	Human CTSL (P07711, 18 a.a. - 333 a.a.) partial recombinant protein with His tag at C-terminus expressed in Human cells.
Sequence	TLTFDHSLEAQWTKWKAMHNRLYGMNEEGWRRVWEKNMKMIELHNQEYREGKHSFTMAMNA FGDMTSEEFRQVMNGFQNRKPRKGKVFQEPLFYAPRSVDWREKGYVTPVKNQGQCGSCWA FSATGALEGQMFRKTGRLISLSEQNLVDCSGPQGNEGCNGGLMDYAFQYVQDNGGLDSEESYP YEATEESCKYNPKYSVANDTGFVDIPKQEKALMKAVATVGPISVAIDAGHESFLFYKEGIYFEPDC SSEDMDHGVLVVGYGFESTESDNNKYWLKNSWGEEWGMGGYVKMAKDRRNHCGIASAASYPTV
Host	Human
Theoretical MW (kDa)	34
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Storage Buffer	In 20 mM HAc-NaAc, 150 mM NaCl, pH 4.5.
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CTSL1

Entrez GeneID	1514
Protein Accession#	P07711
Gene Name	CTSL1
Gene Alias	CATL, CTSL, FLJ31037, MEP
Gene Description	cathepsin L1
Omim ID	116880
Gene Ontology	Hyperlink
Gene Summary	<p>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. At least two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000021601 OTTHUMP00000021602 OTTHUMP00000063566 cathepsin L major excreted protein

Pathway

- [Antigen processing and presentation](#)
- [Lysosome](#)