Cathepsin L1 (CTSL1) Recombinant Protein | CTSL1 recombinant protein

Recombinant Dog Cathepsin L1 (CTSL1)

CATALOG #	HOST
AAA116643	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Cathepsin L1 (CTSL1); Recombinant Dog Cathepsin L1 (CTSL1); CTSL1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	118-289, Full length protein
Sequence	VDWREKGYVT PVKNQGQCGS CWAFSATGAL EGQMFRKTGK LVSLSEQNLV DCSRAQGNEG CNGGLMDNAF RYVKDNGGLD SEESYPYLGR DTETCNYKPE CSAANDTGFV DLPQREKALM KAVATLGPIS VAIDAGHQSF QFYKSGIYFD PDCSSKDLDH GVLVVGYGFE GT
Sequence Length	172
Species	Canis familiaris (Dog) (Canis lupus familiaris)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for CTSL1 recombinant protein	This protein 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	545486346
NCBI GeneID	102156614
NCBI Accession #	XP_005615836.1
NCBI GenBank Nucleotide #	XM_005615779.2
UniProt Accession #	Q9GL24
Molecular Weight	37,383 Da
NCBI Official Full Name	cathepsin L1
NCBI Official Symbol	LOC102156614
NCBI Official Synonym Symbols	CTSL; CTSV; CTSL1

NCBI Protein Information	cathepsin L1
UniProt Protein Name	Cathepsin L1
UniProt Gene Name	**CTSL**
UniProt Synonym Gene Names	CTSL1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/ctsl-recombinant-protein-e-coli/116643