32-6712: CTSL Mouse

Alternative Name : Cathepsin L1, Cathepsin L, Major excreted protein, MEP, p39 cysteine proteinase.

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
Cathepsin-L also known as CTSL is a member of the peptidase C1 family. CTSL, is a dimer composed of disulfide-linked heavy and light chains, both formed from a single protein precursor. Furthermore, CTSL is a lysosomal cysteine proteinase which takes a main part in intracellular protein catabolism. CTSL substrates include collagen and elastin, as well as alpha-1 protease inhibitor, which is the most important controlling element of neutrophil elastase activity. CTSL has been implicated in a number of pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. Multiple alternatively spliced transcript variants have been found for CTSL.
CTSL Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 325 amino acids (18-334a.a.) and having a molecular mass of 36.8kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CTSL is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 μg / 5 μg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CTSL protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	TPKFDQTFSA EWHQWKSTHR RLYGTNEEEW RRAIWEKNMR MIQLHNGEYS NGQHGFSMEM NAFGDMTNEE FRQVVNGYRH QKHKKGRLFQ EPLMLKIPKS VDWREKGCVT PVKNQGQCGS CWAFSASGCL EGQMFLKTGK LISLSEQNLV DCSHAQGNQG CNGGLMDFAF QYIKENGGLD SEESYPYEAK DGSCKYRAEF AVANDTGFVD IPQQEKALMK AVATVGPISV AMDASHPSLQ FYSSGIYYEP NCSSKNLDHG VLLVGYGYEG TDSNKNKYWL VKNSWGSEWG MEGYIKIAKD RDNHCGLATA ASYPVVNLEH HHHHH.

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