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32-2234: CTSL Recombinant Protein

Alternative Name : Cathepsin L,CTSL1,Cathepsin L1,Major Excreted Protein, MEP,EC 3.4.22.15,CATL,EC 3.4.22.

Description

Source : Escherichia Coli. CTSL Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 339 amino acids (18-333 a.a) and having a molecular mass of 38.3kDa.CTSL is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	"Greater than 90% as determined by SDS-PAGE."
Content :	CTSL protein solution (1mg/ml) containing 20mM Tris-HCl (pH 8.0) 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).Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSTLTFDHS LEAQWTKWKA MHNRLYGMNE EGWRRAVWEK NMKMIELHNQ EYREGKHSFT MAMNAFGDMT SEEFRQVMNG FQNRKPRKGK VFQEPLFYEA PRSVDWREKG YVTPVKNQGQ CGSCWAFSAT GALEGQMFRK TGRLISLSEQ NLVDCSGPQG NEGCNGGLMD YAFQYVQDNG GLDSEESYPY EATEESCKYN PKYSVANDTG FVDIPKQEKA LMKAVATVGP ISVAIDAGHE SFLFYKEGIY FEPDCSSEDM DHGVLVVGYG FESTESDNNK YWLVKNSWGE EWGMGGYVKM AKDRRNHCGI ASAASYPTV.