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CTSL, 18-333aa, Human, His tag, E.coli

产品货号: TP01780

第三版

别名:Cathepsin L1 isoform 1, CATL, CTSL1, MEP

描述:CTSL, also known as Cathepsin L1 isoform 1 preproprotein, 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. Recombinant CTSL, fused to His-tag at N-terminus, was expressed in E.coli.

配方:Liquid. In 20mM Tris-HCl(pH 8.0) containing 10% glycerol.

分子量:38.3kDa (339aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSTLTFDHSLEAQWTKWKAMHNRLYGMNEEGWRRRAVWEKNMKMIELHNQEYRE
GKHSFTMAMNAFGDMTSEEFRQVMNGFQNRKPRKGKVFQEPLFYEAPRSVDWREKGYVTPVKNQGQCGSCWAFSAT
GALEGQMFRTGRLISLSEQLVDCSGPQGNEGCNGLMDYAFQYVQDNGGLDSEESYPYEATEESCKYNPKYSVANDT
GFVDIPKQEKALMKAVATVGPISVAIDAGHESFLFYKEGIYFEPDCSSEDMDHGVLVVGYGFESESDNNKYWLVKNSWG
EEWGMGGYVKMAKDRRNHCGIASAASYPTV

纯度:> 95% by HPLC

浓度:1mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.