

Ctsl, 18-334aa, Mouse, His tag, Baculovirus

Cat.NO.: TP01781

3th Edition

Synonyms:Cathepsin L1, CTSL, 1190035F06Rik, CatL, Ctsl1, fs, MEP, nkt

Description:CTSL, also known as cathepsin L1, is a lysosomal cysteine protease expressed in most eukaryotic cells. It plays a major role in intracellular protein catabolism and is potent in degrading collagen, laminin, elastin, as well as alpha-1 protease inhibitor and other structural proteins of basement membranes. Recombinant mouse CTSL, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:36.8kDa (325aa), 40-57KDa (SDS-PAGE under reducing conditions.)

Sequences:

TPKFDQTFSAEWHQWKSTHRRLYGTNEEEWRRRAIWEKNMRMIQLHNGEYSNGQHGFSGMEMNAFGDMTNEEFR
QVVNGYRHHQKHKKGRLFQEPLMLKIPKSVDWREKGCVTPVKNQGQCGSCWAFSASGCGLEGQMFLKTGKLISLSE
QNLVDCSHAQGNQGCNGGLMDFAFYIKENGGLDSEESYPYEAKDGSCKYRAEFAVANDTGFDIPQQEKALMK
AVATVGPIVAMDASHPSLQFYSSGIYYEPNCSSKNLDHGVLLVGYGYEGTDSNKNKYWLKNSWGSEWGMGYI
KIAKDRDNHCGLATAASYPVVNLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.