Datasheet for ABIN7584032

Cathepsin L Protein (AA 18-334) (His tag)

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Overview

Quantity:	100 µg
Target:	Cathepsin L (CTSL1)
Protein Characteristics:	AA 18-334
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin L protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	TPK FDQTFNAQWH QWKSTHRRLY GTNEEEWRRA VWEKNMRMIQ LHNGEYSNGK HGFTMEMNAF GDMTNEEFRQ IVNGYRHQKH KKGRLFQEPL MLQIPKTVDW REKGCVTPVK NQGQCGSCWA FSASGCLEGQ MFLKTGKLIS LSEQNLVDCS HDQGNQGCNG GLMDFAFQYI KENGGLDSEE SYPYEAKDGS CKYRAEYAVA NDTGFVDIPQ QEKALMKAVA TVGPISVAMD ASHPSLQFYS SGIYYEPNCS SKDLDHGVLV VGYGYEGTDS NKDKYWLVKN SWGKEWGMDG YIKIAKDRNN HCGLATAASY PIVN
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	Cathepsin L (CTSL1)
Abstract:	CTSL1 Products
Background:	Recommended name: Cathepsin L1. EC= 3.4.22.15. Alternative name(s): Cyclic protein 2. Short name= CP-2 Major excreted protein. Short name= MEP Cleaved into the following 3 chains: 1. Procathepsin L 2. Cathepsin L1 heavy chain 3. Cathepsin L1 light chain
UniProt:	P07154
Pathways:	Activation of Innate immune Response, Toll-Like Receptors Cascades

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Handling

Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.