

Datasheet for ABIN1615028

Cathepsin L Protein (AA 114-288) (His tag)



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1 Image

Overview

Quantity:	1 mg
Target:	Cathepsin L (CTSL1)
Protein Characteristics:	AA 114-288
Origin:	Green Monkey
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin L protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	APRSVDW REKGYVTPVK NQGQCGSCWA FSATGALEGQ MFRKTGKLVS LSEQNLVDCS GPQGNEGCNG GLMDYAFQYV ADNGGLDSEE SYPYEATEES CKYNPEYSVA NDTGFVDIPK QEKALMKAVA TVGPISVAID AGHESFMFYK EGIYFEPDCS SEDMDHGVLV VGYGFEST
Specificity:	Chlorocebus aethiops (Green monkey) (Cercopithecus aethiops)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian 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

Target Details

Background:	Recommended name: Cathepsin L1. EC= 3.4.22.15. Alternative name(s): Major excreted protein. Short name= MEP Cleaved into the following 2 chains: 1. Cathepsin L1 heavy chain 2. Cathepsin L1 light chain
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UniProt:	Q9GKL8
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Pathways:	Activation of Innate immune Response, Toll-Like Receptors Cascades
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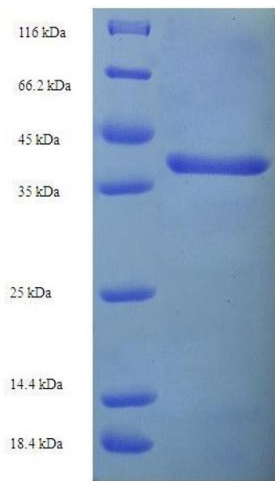
Application Details

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 modiflicated 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.
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Restrictions:	For Research Use only
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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
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.



SDS-PAGE

Image 1. SDS-PAGE of protein expressed in E. coli.