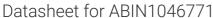
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Cathepsin B Protein (CTSB) (AA 82-333, partial) (GST tag)



Image

2

Publications



Go to Product page

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Quantity:	100 μg
Target:	Cathepsin B (CTSB)
Protein Characteristics:	AA 82-333, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cathepsin B protein is labelled with GST tag.
Application:	ELISA
Product Details	
Sequence:	ASFDAREQWP QCPTIKEIRD QGSCGSCWAF GAVEAISDRI CIHTNAHVSV EVSAEDLLTC CGSMCGDGCN GGYPAEAWNF WTRKGLVSGG LYESHVGCRP YSIPPCEHHV NGSRPPCTGE GDTPKCSKIC EPGYSPTYKQ DKHYGYNSYS VSNSEKDIMA EIYKNGPVEG AFSVYSDFLL YKSGVYQHVT GEMMGGHAIR ILGWGVENGT PYWLVANSWN TDWGDNGFFK ILRGQDHCGI ESEVVAGIPR TD
Sequence: Characteristics:	CGSMCGDGCN GGYPAEAWNF WTRKGLVSGG LYESHVGCRP YSIPPCEHHV NGSRPPCTGE GDTPKCSKIC EPGYSPTYKQ DKHYGYNSYS VSNSEKDIMA EIYKNGPVEG AFSVYSDFLL YKSGVYQHVT GEMMGGHAIR ILGWGVENGT PYWLVANSWN TDWGDNGFFK ILRGQDHCGI

Target Details

Target: Cathepsin B (CTSB)

Target Details

Alternative Name:	Cathepsin B protein (CTSB Products)	
Background:	Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Has also been implicated in tumor invasion and metastasis.	
Malagular Maight:	55 kD	
Molecular Weight:	55 KD	
UniProt:	P07858	

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

Publications

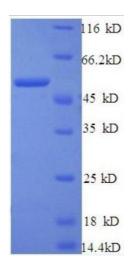
Product cited in:

Hartter, Khalafpour, Missbichler, Hawa, Woloszczuk: "Enzyme immunoassays for fragments

(epitopes) of human proatrial natriuretic peptides." in: Clinical chemistry and laboratory

medicine: CCLM / FESCC, Vol. 38, Issue 1, pp. 27-32, (2000) (PubMed).

Images



SDS-PAGE

Image 1. Cathepsin B (CTSB) (AA 82-333), (partial) protein (GST tag)