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Datasheet for ABIN1664447

**Core protease I7 (I7L) Protein (AA 1-423) (His tag)**

## Overview

Quantity:	1 mg
Target:	Core protease I7 (I7L) (I7L)
Protein Characteristics:	AA 1-423
Origin:	Variola Virus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Core protease I7 (I7L) protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	MERYTDLVIS KIPELGFTNL LCHIYSLAGL CSNIDVSKFL TNCNGYVVEK YDKSTTAGKV SCIPIGMMLE LVESRHLSRP NSSDELDQKK ELTDELKTRY HSIYDVFELP TSIPLAYFFK PRLREKVS KA IDFSQMDLKI DDLSRKG IHT GENPKVVKMK IEPERGAWMS NRSIKNLVSQ FAYGSEVDYI GQFDMRFLNS LAIHEKFDAF MNKHILSYIL KDKIKSSTSR FVMFGFCYLS HWKCVIYDKK QCLVSFYDSG GNIPTFEFHHY NNFYFYSFSD GFNTNHRHSV LDNTNCDIDV LFRFFECIFG AKIGCINVEV NQLESECGM FISLFMILCT RTPPKSFKSL KKVYTFKFL ADKKMTLFKS ILFNLQDLSL DITETDNAGL KEYKRMEKWT KKSINVICDK LTTKLNRIVD DDE
Specificity:	Variola virus (isolate Human/India/Ind3/1967) (VARV) (Smallpox virus)
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:	Core protease I7 (I7L) (I7L)
Alternative Name:	Core protease I7 (I7L) ( <a href="#">I7L Products</a> )
Target Type:	Viral Protein
Background:	Recommended name: Core protease I7. EC= 3.4.22.-
UniProt:	<a href="#">P33003</a>

## 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 modified 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.