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Datasheet for ABIN1475920

## Calpastatin Protein (CAST) (AA 1-713) (His tag)

### Overview

Quantity:	1 mg
Target:	Calpastatin (CAST)
Protein Characteristics:	AA 1-713
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calpastatin protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence: MSRPGPKPAA SSRPRGAAA SHTQEHVNEK NIGSSSKPAE KKGSDDEVAS SAATGTSPRM  
STTGAKAVKI ESEKSQSSEP PVIHEKKPKG KPKEGSEPQT LPKHASDTGS KHAHKEKALS  
RSNEQIVSEK SSESKTKEFD APSADGESVA GGVTVATASD KVVVKKKEKK SLTPTLPMES  
TLNKLSDKSG VNAALDDLID TLGECEDTNK DDPYTGPPV LDPMDSTYLE ALGIKEGTIP  
PEYRKLLEKN EAITGPLPDS PKPMGIDHAI DALSSDFTCS SPTGKQTEKE KSTGESSKAQ  
SAGVTRSAVP PQEKKRKVEE EVMNDQALQA LSDSLGTRQP DPQSHLRQAK QVKEAKAKEE  
RQEKCGEDED TVPAEYRLKP AKDKDGKPLL PEPEETSKCL SESELIGELS ADFVQPTYQE  
KPSMPAAKIK KGVVPDDAVE TLARSLGTRK EDPEDEKSLV DKVKEKAKEE DHEKLGEKEE  
TIPPDYRLEI VKDKDGKPLL PKEAEEQLPP LSDDFLLDAL SQDFSSPANI LSLGFEDA  
KSAVSETVSQ VPAPSNHTAA PPPGTERRDK ELDDALDELS DSLGQRQPDP DENKPLDDKV  
KEKIKAEHSE KLGERRDDTIP PEYRHLLDND GKDKPEKPLT KNTEKLGQDQ DPIDALSEDL  
DSCPPTTETS QNTTKEKGKK TSSSKASKNE ETKDSSKKT EEVPPKPKVDE DAT

## Product Details

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Specificity:	Rattus norvegicus (Rat)
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

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Target:	Calpastatin (CAST)
Abstract:	<a href="#">CAST Products</a>
Background:	Recommended name: Calpastatin. Alternative name(s): Calpain inhibitor
UniProt:	<a href="#">P27321</a>

## Application Details

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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.
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Restrictions:	For Research Use only
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## Handling

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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

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Storage: -20 °C

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