

Datasheet for ABIN7583753

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



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Overview

Quantity:	100 µg
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:	<p>MSRPGPKPAA SSRPRRGAAA SHTQEHVNEK NIGSSSKPAE KKGSDDEVAS SAATGTSPRM</p> <p>STTGAKAVKI ESEKSQSSEP PVIHEKKPKG KPKEGSEPQT LPKHASDTGS KHAHKEKALS</p> <p>RSNEQIVSEK SSESCTKFQD APSADGESVA GGVTVATASD KVVVKKKEKK SLTPTLPMES</p> <p>TLNKLSDKSG VNAALDDLID TLGECEDTNK DDPPTYGPVV LDPMDSTYLE ALGIKEGTIP</p> <p>PEYRKILLEKN EAITGPLPDS PKPMGIDHAI DALSSDFTCS SPTGKQTEKE KSTGESSKAQ</p> <p>SAGVTRSAVP PQEKKRKVEE EVMNDQALQA LSDSLGTRQP DPQSHLRQAK QVKEAKAKEE</p> <p>RQEKCGEDED TVPAEYRLKP AKDKDGKPLL PEPEETSKCL SESELIGELS ADFVQPTYQE</p> <p>KPSMPAAKIK KGVVPDDAVE TLARSLGTRK EDPEDEKSLV DKVKEKAKEE DHEKLGEKEE</p> <p>TIPPDYRLEI VKDKDGKPLL PKEAEEQLPP LSDDFLLDAL SQDFSSPANI LSLGFEDAKL</p> <p>SAAVSETVSQ VPAPSNHTAA PPPGTERRDK ELDDALDELS DSLGQRQPDP DENKPLDDKV</p> <p>KEKIKAEHSE KLGERDDTIP PEYRHLLDND GKDKPEKPLT KNTEKLGQDQ DPIDALSEDL</p> <p>DSCPPTTETS QNTTKEKGKK TSSSKASKNE ETKDSSKKT EEVPPKPKVDE DAT</p>
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Product Details

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

Target:	Calpastatin (CAST)
Abstract:	CAST Products
Background:	Recommended name: Calpastatin. Alternative name(s): Calpain inhibitor
UniProt:	P27321

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

Handling

Storage: -20 °C

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