Datasheet for ABIN1650485

Caspase 1 Protein (CASP1) (AA 120-298) (His tag)

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Overview

Quantity:	1 mg
Target:	Caspase 1 (CASP1)
Protein Characteristics:	AA 120-298
Origin:	Horse
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Caspase 1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	D LAKLALSGPK VSLKLCSPEV VERIWKEKSA EMYPIMGKSM TRTRLALIIC NTEFDNLSRR AGAEVDIASM KVLLEGLGYS VEVKENLTAL DMTTELKAFA ARPEHRSSDS TFLVFMSHGI REGICGKKFS EKVPDVLEVN TIFQIFNTRN CPNLRDKPKV IIIQACRGEN QGVVWLKD
Specificity:	Equus caballus (Horse)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	Caspase 1 (CASP1)
Alternative Name:	Caspase-1 (CASP1) (CASP1 Products)

Target Details

Background:	Recommended name: Caspase-1. Short name= CASP-1. EC= 3.4.22.36. Alternative name(s): Interleukin-1 beta convertase. Short name= IL-1BC Interleukin-1 beta-converting enzyme. Short name= ICE. Short name= IL-1 beta-converting enzyme p45 Cleaved into the following 2 chains: 1. Caspase-1 subunit p20 2. Caspase-1 subunit p10
UniProt:	Q9TV13
Pathways:	Apoptosis, Interferon-gamma Pathway, Positive Regulation of Endopeptidase Activity, Inflammasome

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

Handling

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