

Datasheet for ABIN1661797

## Chitotriosidase 1 Protein (AA 21-493) (His tag)



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### Overview

Quantity:	1 mg
Target:	Chitotriosidase 1 (CHIT1)
Protein Characteristics:	AA 21-493
Origin:	Rhizopus niveus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Chitotriosidase 1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>AYSSNGVNVN YYWGQNSAGG SNTQGSLVSY CQSGQVDVII LSFLNKFNMG GLPEINLASA</p> <p>CEQTFPNTN LLHCPTVGSD IKTCQSNGVK VLLSLGGAAG SYGFSSDSEG QTFAETIWNL</p> <p>FGGGTSDTRP FDDAVIDGID LDIEGGSSTG YAAFVTALRS KGHFLIGAAP QCPFPDAILG</p> <p>SVIDAVGLDF VNVQFYNNVC SVASGSSFNF DVWNDWAKNK SPNKNIKVML TVPGSSTAAG</p> <p>SGYASIAELG PIVSSVISQY SSFGGVSVD ASQAWNNGF HSELYSIVHG SSAALGQAAR</p> <p>KTPFPNTSSI TTTSLATASS ALFPLLYAGR SCSSQSKVSC TSTGSYTICN YGKWVTAPCP</p> <p>PGVICLSSAQ SNNTDLTVSA QFFITSFAGG SFKAIINARR TTLTPFEKMK TIEFTVPDHV</p> <p>RLSQCNLGKI EQVGRSVRIR LKDHNPMAFV LNLSGNVSSD AFVAPDPSSW RFS</p>
Specificity:	Rhizopus niveus
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.

## Product Details

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Purity: > 90 %

## Target Details

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Target: Chitotriosidase 1 (CHIT1)

Alternative Name: Chitinase 1 (CHI1) ([CHIT1 Products](#))

Background: Recommended name: Chitinase 1.  
EC= 3.2.1.14

UniProt: [P29025](#)

## 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 modiflicated 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

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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

Storage: -20 °C

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