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Datasheet for ABIN1593108

## N-Glycanase 1 Protein (NGLY1) (AA 1-333) (His tag)

### Overview

Quantity:	1 mg
Target:	N-Glycanase 1 (NGLY1)
Protein Characteristics:	AA 1-333
Origin:	Schizosaccharomyces pombe
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This N-Glycanase 1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MDFHAISQRF IDMMRSKNSQ NASQPPETYP FYHEVRQMSQ HPWMYEDPEL QDYALSILPL DKLFQDASEL EKEGDGSWGY QDYVIQALLK WFKREFFVWV NQPPCEKCGG ETHMTGNGPP NEEEKWNGVR NVELYQCNVC GHNQRFPRYN RIRALLDSRK GRCGEWANCF TFLCRALGSR ARWIWNAEDH VWTEVYSNKQ QRWVHVDSGE ESFDEPLIYE QGWGKKMSYC LGFGIDSVRD VSHRYIRHPE NGLPRDRCPE SVLQQALHEI NIEFRSRLTD SERKALEEED KREKDEL DGY MRPVSQATPT NTDLPARQTG NVEWKEKRG AGK
Specificity:	Schizosaccharomyces pombe (strain 972 / ATCC 24843) (Fission yeast)
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:	N-Glycanase 1 (NGLY1)
Alternative Name:	Peptide-N (4)- (N-acetyl-beta-glucosaminy)asparagine amidase ( <a href="#">NGLY1 Products</a> )
Background:	Recommended name: Peptide-N(4)-(N-acetyl-beta-glucosaminy)asparagine amidase. Short name= PNGase. EC= 3.5.1.52. Alternative name(s): Peptide:N-glycanase 1
UniProt:	<a href="#">O74739</a>
Pathways:	<a href="#">Cell RedoxHomeostasis</a> , <a href="#">SARS-CoV-2 Protein Interactome</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 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.