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Datasheet for ABIN1673983  
**PSA1 Protein (AA 1-364) (His tag)**

### Overview

Quantity:	1 mg
Target:	PSA1
Protein Characteristics:	AA 1-364
Origin:	Neurospora crassa
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSA1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MKALILVGGF GTRLRPLTLT MPKPLVEFGN KRMILHQIEA LAAAGVTDIV LAVNYRPEIM EKYLAEYEQ FGINITISIE SEPLGTAGPL KLAEDVLRKD DTPFFVLNSD VTCEYPFKEL AAFHKAHGDE GTIVVTKVEE PSKYGVVVK PNHPSRIDRF VEKPVQFVGN RINAGLYIFN PSVIDRVELR PTSIEQETFP AMVRDQQLHS FDLEGFWMDI GQPKDFLTGT CLYLSSLTKK GSKELAPTTL PYIHGGNVL DPSAKIGKNC RIGPNVTIGP NVVVGDGVRL QRCVLLEGSK VKDHAWVKST IVGWNSTVGK WARLENTVL GDDVTIGDEI YVNGGSILPH KTIKANVDVP AIIM
Specificity:	Neurospora crassa (strain ATCC 24698 / 74-OR23-1A / CBS 708.71 / DSM 1257 / FGSC 987)
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:	PSA1
Alternative Name:	Mannose-1-phosphate guanyltriferase (mpg-1) ( <a href="#">PSA1 Products</a> )
Background:	Recommended name: Mannose-1-phosphate guanyltriferase. EC= 2.7.7.13. Alternative name(s): GDP-mannose pyrophosphorylase GTP-mannose-1-phosphate guanyltriferase
UniProt:	<a href="#">Q7RVR8</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.