



[Go to Product page](#)

Datasheet for ABIN1658740  
**PAA1 Protein (AA 1-246) (His tag)**

### Overview

Quantity:	1 mg
Target:	PAA1
Protein Characteristics:	AA 1-246
Origin:	Nicotiana tabacum
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAA1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MSRGSGGGYD RHITIFSPEG RLFQVEYAFK AVKAAGITSI GVRGKDSVCV VTQKKVPDKL LDQTSVSHLF PITKYLGLLA TGMTADARTL VQARNEAAE FRFKYGYEMP VDVLSKWIAD KSQVYQHAY MRPLGVAMI LGIDEEKGPQ LFKCDPAGHF FGHKATSAGS KEQEAINFLE KKMKNDPAFS YEETVQTAIS ALQSVLQEDF KASEIEVGVV KKEDPIFRVL TTEEIDEHLT AISERD
Specificity:	Nicotiana tabacum (Common tobacco)
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:	PAA1
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## Target Details

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Abstract: [PAA1 Products](#)

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Background: Recommended name: Proteasome subunit alpha type-6.  
EC= 3.4.25.1.  
Alternative name(s): 20S proteasome alpha subunit A 20S proteasome subunit alpha-1

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UniProt: [Q9XG77](#)

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## 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 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.

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Concentration: 0.2-2 mg/mL

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Buffer: Tris-based buffer, 50 % glycerol

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Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

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Storage: -20 °C

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

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