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Datasheet for ABIN1667462

## MPT51 Protein (AA 27-299) (His tag)

### 1 Image

#### Overview

Quantity:	1 mg
Target:	MPT51
Protein Characteristics:	AA 27-299
Origin:	Mycobacterium tuberculosis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This MPT51 protein is labelled with His tag.
Application:	ELISA

#### Product Details

Sequence:	AEPT AKAAPYENLM VPSPSMGRDI PVAFLAGGPH AVYLLDAFNA GPDVSNWVTA GNAMNTLAGK GISVVAPAGG AYSMYTNWEQ DGSKQWDTFL SAELPDWLAA NRGLAPGGHA AVGAAQGGYG AMALAAFHPD RFGFAGSMSG FLYPSNTTTN GAIAAGMQQF GGVDTNMGMWG APQLGRWKWH DPWVHASLLA QNNTRVWVWS PTNPGASDPA AMIGQAAEAM GNSRMFYNQY RSVGGHNGHF DFPASGDNGW GSWAPQLGAM SGDIVGAIR
Specificity:	Mycobacterium tuberculosis
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:	MPT51
Alternative Name:	MPT51/MPB51 antigen (mpt51) ( <a href="#">MPT51 Products</a> )
Background:	Recommended name: MPT51/MPB51 antigen
UniProt:	<a href="#">P0A4V6</a>

## Application Details

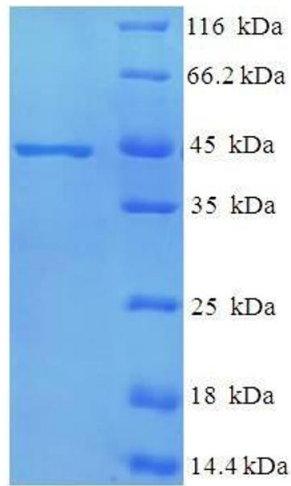
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Comment:	<p>The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. 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.</p>
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.



#### SDS-PAGE

**Image 1.** Mpt51 Gene Product (MPT51) (AA 27-299) protein (His tag) expressed in E. coli