

Datasheet for ABIN1610029

## TUBB1 Protein (AA 1-445) (His tag)



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### Overview

Quantity:	1 mg
Target:	TUBB1
Protein Characteristics:	AA 1-445
Origin:	Fungus (Colletotrichum graminicola)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This TUBB1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MREIIHLQTG QCGNQVGTA F WQTIHGEHGL DQDGVFRGSD EQQSERLSVY FTEAAKQKYV</p> <p>PRAVLVDLEP ATMDAIRSGP LGDFFRPD NM VYGQSGAGNN WAKGHYTEGA ELVDQVLDVV</p> <p>RREA EACDSL QGFQITHSLG GGTGSGMGTL LIAKVREEFP DRMMATFSVL PSAKVSEVV</p> <p>EPYNATLSIH QLVENSDETF CIDNEALYDI CRRTLKQ AHP SYGHLNHLVS RVMSGLTTGF</p> <p>RFPGQLNADL RKLAVNLVPF PRLHFFTVGF APLTSSASFS NLGIAELTQQ MFDPKNVMLA</p> <p>SDFRDGRFLT CSTMFRGKVS MKQVEEQIQA IKNKNSANFV EWIPNNIQT A HCSVPPKGLD</p> <p>VSSTFIGNST AIQNSFRRVG DQFSLMFRRK AFLHWYT GEG MDEMEFTEAE SNMNDLVSEY</p> <p>QQYQDAGMDD EYGEEYEDEA PAEEE</p>
Specificity:	Colletotrichum graminicola (Maize anthracnose fungus) (Glomerella graminicola)
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

Purity: > 90 %

## Target Details

Target: TUBB1

Alternative Name: Tubulin beta-1 chain (TUB1) ([TUBB1 Products](#))

Background: Recommended name: Tubulin beta-1 chain.  
Alternative name(s): Beta-1-tubulin

UniProt: [P22013](#)

Pathways: [Microtubule Dynamics](#)

## Application Details

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.

Restrictions: For Research Use only

## Handling

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.