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## Datasheet for ABIN1473630 **TUBG1 Protein (AA 1-451) (His tag)**

### Overview

Quantity:	1 mg
Target:	TUBG1
Protein Characteristics:	AA 1-451
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This TUBG1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MPREIITLQL GQCGNQIGFE FWKQLCAEHG ISPEGIVEEF ATEGTRKDV FFYQADDEHY IPRAVLDDLE PRVIHSILNS SYAKLYNPEN IYLSEHGGGA GNNWASGFSQ GEKIHEDIFD IIDREADGSD SLEGFVLCHS IAGGTGSGLG SYLLERLND RYPKKLVQTYS VFPNQDEMDS VVVQPYNSLL TLKRLTQNAD CVVVDNTAL NLIATDRLHI QNPSFSQINQ LVSTIMSAST TTLRYPGYMN NDLIGLIASL IPTPRHLFLM TGYTPLTTDQ SVASVRKTTV LDVMRRLQ KNVMVSTGRD RQTNHCYIAI LNIIQGEVDP TQVHKSQRIRERKLANFIP WGPASIQVAL SRKSPYLP SAHRVSGLM MANHTSISSLFER TCRQFDKLRK REAFMEQFRK EDIFKDNFDE MDTSREIVQQ LIDEYHAATR PDYISWGTQE Q
Specificity:	Rattus norvegicus (Rat)
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: TUBG1

Alternative Name: Tubulin gamma-1 chain (Tubg1) ([TUBG1 Products](#))

Background: Recommended name: Tubulin gamma-1 chain.  
Alternative name(s): Gamma-1-tubulin Gamma-tubulin complex component 1.  
Short name= GCP-1

UniProt: [P83888](#)

Pathways: [Microtubule Dynamics](#), [M Phase](#)

## 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 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

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

## Handling

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