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Datasheet for ABIN5855121
TUBG1 Protein (AA 1-451) (His tag)

Overview

Quantity:	50 µg
Target:	TUBG1
Protein Characteristics:	AA 1-451
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TUBG1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MPREIITLQL GQCGNQIGFE FWKQLCAEHG ISPEGIVEEF ATEGTDRKDV FFYQADDEHY IPRAVLLDLE PRVIHSILNS PYAKLYNPEN IYLSEHGGGA GNNWASGFSQ GEKIHEDIFD IIDREADGSD SLEGFVLCHS IAGGTGSGLG SYLLERLNDR YPKKLVQTYS VFVNQDEMDS VVVQPYNSLL TLKRLTQNAD CVVVDNTAL NRIATDRLHI QNPSFSQINQ LVSTIMSAST TTLRYPGYMN NDLIGLIASL IPTPRLHFLM TGYTPLTTDQ SVASVRKTTV LDVMRRLQLP KNVMVSTGRD RQTNHCYIAI LNIIQGEVDP TQVHKSQRIRERKLANFIP WGPASIQVAL SRKSPYLPISA HRVSGLMAN HTSISLFR TCRQYDKLRK REAFLEQFRK EDMFKDNFDE MDTSREIVQQ LIDEYHAATR PDYISWGTQE QHHHHHH
Purity:	> 85 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1µg of protein (determined by LAL method)

Target Details

Target:	TUBG1
Alternative Name:	TUBG1 (TUBG1 Products)
Background:	<p>TUBG1, also known as tubulin gamma-1 chain, is a member of the tubulin superfamily. This protein is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome. It is the pericentriolar matrix component that regulates alpha/beta tubulin minus-end nucleation, centrosome duplication and spindle formation. It is required for microtubule formation and progression of the cell cycle. Also, this protein interacts with GCP2, GCP3, and B9D2. The interaction is leading to centrosomal localization of TUBG1 and CDK5RAP2. Recombinant human TUBG1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	51.9kDa (457aa) 50-70kDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_001061
UniProt:	P23258
Pathways:	Microtubule Dynamics, M Phase

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl (pH 8.0) containing 40 % glycerol, 0.1M NaCl, 2 mM DTT, 50 mM imidazole.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.