

Recombinant Human TUBG1 Protein (1-451aa), C-6×His tagged

Cat. No. TUBG1-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TUBG1 (1-451aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	1-451
Description	This gene encodes a member of the tubulin superfamily. The encoded protein localizes to the centrosome where it binds to microtubules as part of a complex referred to as the gamma-tubulin ring complex. The protein mediates microtubule nucleation and is required for microtubule formation and progression of the cell cycle. A pseudogene of this gene is found on chromosome 7.
Form	Liquid
Molecular Mass	51.9 kDa (457 aa)
AA Sequence	MPREIITLQLGQCQGNQIGFEFWKQLCAEHGISPEGIVEEFATEGTDRKDVFFYQADD EHYIPRAVLDDLEPRVIHSILNSPYAKLYNPENIYLSEHGGGAGNNWASGFSQGEKIH EDIFDIIDREADGSDSLEGFVLCHSIAGGTGSGGLGSYLLERLNDRYPKKLVQTYSVFP NQDEMSDVVVQPYNSLLTLKRLTQNADCVVLDNTALNRIATDRLHIQNPSFSQINQ LVSTIMSASTTTLRYPGYMNDLIGLIASLIPTPRLHFLMTGYTPLTTDQSVASVRKTT

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VLDVMRRLLPKNVMVSTGRDRQTNHCYIAILNIIQGEVDPTQVHKSLQRIRERKLAN
FIPWGPASIQVALSRKSPYLPSAHRVSGLMANHTSISSLFERTCRQYDKLRKREAF
LEQFRKEDMFKDNFDEMDTSREIVQQLIDEYHAATRPDYISWGTQEQ

Endotoxin	< 1.0 EU/μg of the protein by the LAL method.
Purity	> 85% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by Bradford assay)
Storage Buffer	20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl, 2mM DTT, 50mM imidazole.

GENE INFORMATION

Gene Name	TUBG1 tubulin gamma 1 [Homo sapiens (human)]
Official Symbol	TUBG1
Synonyms	TUBG1; tubulin gamma 1; TUBG; GCP-1; CDCBM4; TUBGCP1; tubulin gamma-1 chain; gamma-tubulin complex component 1; tubulin, gamma polypeptide
Gene ID	7283
mRNA Refseq	NM_001070

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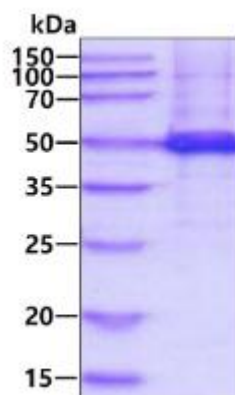
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Protein Refseq NP_001061

MIM 191135

UniProt ID P23258

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by
coomassie blue stain

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