

Recombinant Human TUBG1

Cat. No. TUBG1-31632TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TUBG1 with a proprietary tag.
Species	Human
Source	Wheat Germ
ProteinLength	452 amino acids
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.
Molecular Weight	75.720kDa inclusive of tags
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced.

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MPREIITLQLGQCGNQIGFEFWKQLCAEHGISPEGIVEEFATEGTDRKDVFFYQADD EHYIPRAVLDDLEPRVIHSILNSPYAKLYNPENIYLSEHGGGAGNNWASGFSQGEKIH EDIFDIIDREADGSDSLEGFVLCHSIAGGTGSGGLGSYLLERLNDRYPKKLVQTYSVFP NQDEMSDVVVQPYNSLLTLKRLTQNADCVVLDNTALNRIATDRLHIQNPSFSQINQ LVSTIMSASTTTLRYPGYMNNDLIGLIASLIPTPRLHFLMTGYTPLTTDQSVASVRKTT VLDVMRRLQLPKNVMVSTGRDRQTNHCYIAILNIIQGEVDPTQVHKSLQRIRERKLAN FIPWGPASIQVALSRKSPYLPSAHRVSGLMANHTSISSLFERTCRQYDKLRKREAF LEQFRKEDMFKDNFDEMDTSREIVQQLIDEYHAATRPDYISWGTQE
Sequence Similarities	Belongs to the tubulin family.

GENE INFORMATION

Gene Name	TUBG1 tubulin, gamma 1 [Homo sapiens]
Official Symbol	TUBG1
Synonyms	TUBG1; tubulin, gamma 1; TUBG, tubulin, gamma polypeptide; tubulin gamma-1 chain; TUBGCP1;
Gene ID	7283
mRNA Refseq	NM_001070
Protein Refseq	NP_001061
MIM	191135

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Uniprot ID	P23258
Chromosome Location	17q21.31
Pathway	Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem;
Function	GTP binding; GTPase activity; nucleotide binding; protein binding; structural constituent of cytoskeleton;