

Recombinant Human TUBG1, His-tagged

Cat. No. TUBG1-28973TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human gamma Tubulin with an N terminal His tag; 471aa, 53.3kDa.
Species	Human
Source	E.coli
ProteinLength	451 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.
Conjugation	HIS
Molecular Weight	53.300kDa inclusive of tags
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 6% Urea, 5% Glycerol

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMPREITLQLGQCGNQIGFE FWKQLCAEHGISPEGI VEEFATEGTDRKDVFFYQADDEHY IPRAVLLDLEPRVIHSILNSPYAKLYNPENIYLS EHGGGA GNNWASGFSQGEKIHEDIFDIIDREADGSDSLEGFVLCHS IAGGTGSGLG SYLLERLNDRYPKKLVTYTSVFPNQDEMDS VVVQPYNSLLTLKRLTQNADCVVVLD NTALNRIATDRLHI QNPSFSQINQLVSTIMSASTTTLRYPGYMNNDLIGLIASL IPTPR LHFLMTGYTPLTTDQSVASVRKTTVLDVMRRLQK KNVMVSTGRDRQTNHCYAIL NIIQGEVDPTQVHKSQRIRERKLANFIPWGPASIQVALSRKSPYLPSAHRVSGGLMM AN HTSISSLFERTCRQYDKLRKREAFLEQFRKEDMFKDNFDE MDTSREIVQQQLIDE YHAATRPDYISWGTQEQ

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
Uniprot ID	P23258

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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;

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