

Recombinant Human TUBGCP4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TUBGCP4-2188H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TUBGCP4 MS Standard C13 and N15-labeled recombinant protein (NP_055259) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a component of the gamma-tubulin ring complex, which is required for microtubule nucleation. In mammalian cells, the protein localizes to centrosomes in association with gamma-tubulin. Crystal structure analysis revealed a structure composed of five helical bundles arranged around conserved hydrophobic cores. An exposed surface area located in the C-terminal domain is essential and sufficient for direct binding to gamma-tubulin. Mutations in this gene that alter microtubule organization are associated with microcephaly and chorioretinopathy. Alternative splicing results in multiple transcript variants.
Molecular Mass	76 kDa
AA Sequence	MIHELLLALSGYPGSIFTWNKRSGLQVSQDFPFLHPSETSVLNRLCRLGTDYIRFTEFI EQYTGHVQQQDHHPSQQGQGGGLHGIYLRAFCTGLDSVLQPYRQALLDLEQEFLGD PHLSISHVNYFLDQFQLLFPSVMVVVEQIKSQKIHGCGILETVYKHSCGGLPPVRSAL EKILAVCHGVMYKQLSAWMLHGLLLDQHEEFFIKQGPSSGNVSAQPEEDEEDLGIG GLTGKQLRELQDLRLIEEENMLAPSLKQFSLRVEILPSYIPVRVAEKILFVGESVQMFE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NQNVNLTRKGSILKNQEDTFAAELHRLKQQPLFSLVDFEQVVDRIIRSTVAEHLWKLM
VEESDLLGQLKIIKDFYLLGRGELFQAFIDTAQHMLKTPPTAVTEHDVNVAFQQSAHK
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LLKPVFHCLEILDLCHSFCSLVSQNLGPLDERGAAQLSILVKGFSRQSSLLFKILSSV
RNHQINSDLAQLLLRLDYNKYTTQAGGTGSGMTRTRPLEQKLISEEDLAANDILDY
KDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TUBGCP4 tubulin gamma complex associated protein 4 [Homo sapiens (human)]
Official Symbol	TUBGCP4
Synonyms	TUBGCP4; tubulin, gamma complex associated protein 4; gamma-tubulin complex component 4; 76P; FLJ14797; gamma-ring complex protein 76 kDa; gamma tubulin ring complex protein (76p gene); GCP4; h76p; GCP-4; hGCP4; hGrip76;
Gene ID	27229

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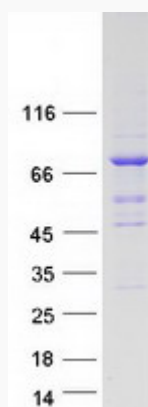
mRNA Refseq [NM_014444](#)

Protein Refseq [NP_055259](#)

MIM [609610](#)

UniProt ID [Q9UGJ1](#)

SDS-PAGE



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