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Product datasheet for PH300872

GCP4 (TUBGCP4) (NM_014444) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TUBGCP4 MS Standard C13 and N15-labeled recombinant protein (NP_055259)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200872
Predicted MW:	76 kDa
Protein Sequence:	>RC200872 protein sequence Red=Cloning site Green=Tags(s) MIHELLLALSGYPGSIFTWNKRSGLQVSQDFPFLHPSETSVLNRLCRLGTDYIRFTEFIEQYTGHVQQQD HHPSQQGQGGLHGIYLRAFCTGLDSVLQPYRQALLDLEQEFLGDPHLSISHVNYFLDQFQLLFPSVMVVV EQIKSQKIHGCQILETVYKHSCGGLPPVRSALEKILAVCHGVMYKQLSAWMLHGLLLDQHEEFFIKQGPS SGNVSAQPEEDEEDLGIGGLTGKQLRELQDLRLIEEENMLAPSLKQFSLRVEILPSYIPVRVAEKILFVG ESVQMFENQNVNLTRKGSILKNQEDTFAAELHRLKQQPLFSLVDFEQVVDRIRSTVAEHLWKLMVEESDL LGQLKIIKDFYLLGRGELFQAFIDTAQHMLKTPPTAVTEHDVNVAFQQSAHKVLLDDDNLLPLLHLTIEY HGKEHKDATQAREGPSRETSPREAPASGWAALGLSYKVQWPLHILFTPAVLEKYNVVFKYLLSVRRVQAE LQHCWALQMQRKHLKSNQTDAIKWRLRNHMAFLVDNLQYYLQVDVLESQFSQLLHQINSTRDFESIRLAH DHFLSNLLAQSFILLKPVFHCLNEILDLCHSFCSLVSQNLGPLDERGAAQLSILVKGFSRQSSLLFKILS SVRNHQINSDLAQLLLRLDYNKYYTQAGGTLGSFGM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055259
RefSeq Size:	4178

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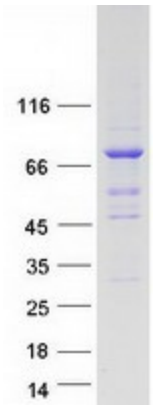
RefSeq ORF:	1998
Synonyms:	76P; GCP-4; GCP4; Grip76; MCCRP3
Locus ID:	27229
UniProt ID:	Q9UGJ1
Cytogenetics:	15q15.3
Summary:	This gene encodes a component of the gamma-tubulin ring complex, which is required for microtubule nucleation. In mammalian cells, the protein localizes to centrosomes in association 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. [provided by RefSeq, May 2015]

Product images:



Coomassie blue staining of purified TUBGCP4 protein (Cat# [TP300872]). The protein was produced from HEK293T cells transfected with TUBGCP4 cDNA clone (Cat# [RC200872]) using MegaTran 2.0 (Cat# [TT210002]).