

## Product datasheet for PH300755

### beta III Tubulin (TUBB3) (NM\_006086) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TUBB3 MS Standard C13 and N15-labeled recombinant protein (NP_006077)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200755
Predicted MW:	50.4 kDa
Protein Sequence:	>RC200755 protein sequence Red=Cloning site Green=Tags(s)  MREIVHIQAGQCQNQIGAKFWEVISDEHGIDPSGNYVGDSLQLERISVYNEASSHKYVPRAILVDLEP GTMDSVRSAGAFGHLFRPDNFIQSQSGAGNNWAKGHYTEGAELVDSVLDVVRKECENCDCDCLQGFQLTHSLG GGTGSGMGTLTISKVREEYPDRIMNTFSVVPSPKVSSTVVEPYNATLSIHQLVENTDETYCIDNEALYDI CFRTLKLATPTYGDLNHLVSATMSGVTTSLRFPQQLNADLRKLAVNMVFPRLHFFMPGFAPLTARGSQQ YRALTVPELTQQMFDANKMMAACDPRHGRYLTVATVFRGRMSMKEVDEQMLAIQSKNSSYFVEWIPNNVK VAVCDIPRGLKMSSTFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEGMDEMEFTEAESNMNDLVS EYQQYQDATAEEEEGEMYEDDEEESEAQGPK  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<u>NP_006077</u>
RefSeq Size:	1794
RefSeq ORF:	1350
Synonyms:	beta-4; CDCBM; CDCBM1; CFEOM3; CFEOM3A; FEOM3; TUBB4



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Locus ID: 10381

UniProt ID: [Q13509](#), [Q53G92](#)

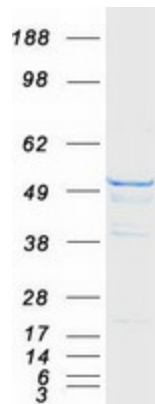
Cytogenetics: 16q24.3

**Summary:** This gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in this gene are the cause of congenital fibrosis of the extraocular muscles type 3. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 6. [provided by RefSeq, Oct 2010]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS

**Protein Pathways:** Gap junction, Pathogenic Escherichia coli infection

### Product images:



Coomassie blue staining of purified TUBB3 protein (Cat# [TP300755]). The protein was produced from HEK293T cells transfected with TUBB3 cDNA clone (Cat# [RC200755]) using MegaTran 2.0 (Cat# [TT210002]).