

Recombinant Human TUBB3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TUBB3-5059H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TUBB3 MS Standard C13 and N15-labeled recombinant protein (NP_006077) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	50.4 kDa
AA Sequence	MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPSGNYVGDSDLQLERISVYYNEASSH KYVPRAILVDLEPGTMDSVRSGAFGHLFRPDNFIFGQSGAGNNWAKGHYTEGAELV DSVLDVVRKECENCDCQLQGFQLTHSLGGGTGSGMGTLLISKVREEYPDRIMNTFSV VPSPKVS DTVVEPYNATLSIHLQVENTDETYCIDNEALYDICFRTLKLATPTYGDLNHL VSATMSGVTTSLRFPGLNADLRKLAVNMVFPRLHFFMPGFAPLTARGSQQYRAL TVPELTQQMFDAKNMMAACDPRHGRYLT VATVFRGRMSMKEVDEQMLAIQSKNSS

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YFVEWIPNNVKVAVCDIPPRGLKMSSTFIGNSTAIQELFKRISEQFTAMFRRKAFLHW
YTGEGMDEMEFTEAESNMNDLVSEYQQYQDATAEEEGEMYEDDEEESEAQGPKT
RTRPLEQKLISEEDLAANDILDYKDDDDKV

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 TUBB3 tubulin beta 3 class III [Homo sapiens (human)]

Official Symbol TUBB3

Synonyms TUBB3; tubulin, beta 3 class III; tubulin, beta 3; tubulin beta-3 chain; beta 4; class III beta tubulin; tubulin beta-III; tubulin beta-4 chain; class III beta-tubulin; CDCBM; TUBB4; beta-4; CFEOM3A;

Gene ID 10381

mRNA Refseq NM_006086

Protein Refseq NP_006077

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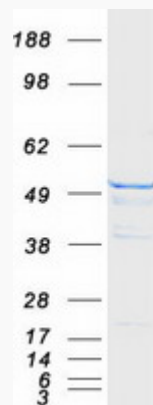
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MIM 602661

UniProt ID Q13509

SDS-PAGE



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