

Active Recombinant Full Length Human TUBB3 Protein, C-Flag-tagged

Cat. No. TUBB3-203HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TUBB3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Co-immunoprecipitation
Molecular Mass	50.3 kDa
AA Sequence	MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPSGNYVGDSDLQLERISVYYNEASSH KYVPRAILVDLEP GTMDSVRSAGAFGHLFRPDNFIFGQSGAGNNWAKGHYTEGAEL VDSVLDVVRKECENCDCQLQGFLTHSLG GGTGSGMGTLISKVREEYPDRIMNTFS

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VVSPKVS DTVVEPYNATLSIHLQVENTDETYCIDNEALYDI CFRTLKLATPTYGDLN
 HLVSATMSGVTTSLRFPGQLNADLRKLAVNMVFPRLHFFMPGFAPLTARGSQQ Y
 RALTVP ELTQQMFDAKNMMAACDPRHGRYLT VATVFRGRMSMKEVDEQMLAIQSK
 NSSYFVEWIPNNVK VAVCDIPPRGLKMSSTFIGNSTAIQELFKRISEQFTAMFRRKAF
 LHWYTGE GMDMEFTEAESNMNDLVS
 EYQQYQDATAEEEEGEMYEDDEEESEAQGPKTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways	Gap junction, Pathogenic Escherichia coli infection
Full Length	Full L.

GENE INFORMATION

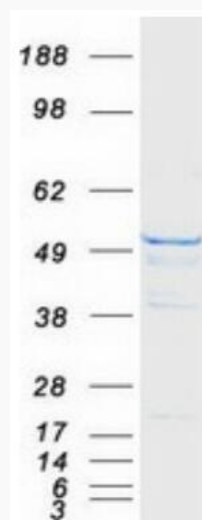
Gene Name	TUBB3 tubulin beta 3 class III [Homo sapiens (human)]
Official Symbol	TUBB3

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Synonyms	CDCBM; FEOM3; TUBB4; CDCBM1; CFEOM3; beta-4; CFEOM3A
Gene ID	10381
mRNA Refseq	NM_006086.4
Protein Refseq	NP_006077.2
MIM	602661
UniProt ID	Q13509



Coomassie blue staining of purified TUBB3 protein.