

Recombinant Full Length Human TUBB Protein, C-Flag-tagged

Cat. No. TUBB-100HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TUBB Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and acts as a structural component of microtubules. Mutations in this gene cause cortical dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple splice variants. There are multiple pseudogenes for this gene on chromosomes 1, 6, 7, 8, 9, and 13.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	49.5 kDa
AA Sequence	MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPTGTYHGDSDLQLDRISVYYNEATGG KYVPRAILDLEP GTMDSVRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAEL VDSVLDVVRKEAESCDCLQGFQLTHSLG GGTGSGMGTLISKIREEYPDRIMNTFS VVPSPKVS DTVVEPYNATLSVHQLVENTDETYCIDNEALYDI CFRTLKLTPTYGDLN HLVSATMSGVTTCLRFPGQLNADLRKLAVNMVPFRLHFFMPGFAPLTSRGSQQ Y RALTVP ELTQQVFD AKNMMAACDPRHGRYLTVA AVFRGRMSMKEVDEQMLNVQN KNSSYFVEWIPNNVK TAVCDIPPRGLKMAVTFIGNSTAIQELFKRISEQFTAMFRRKA FLHWYTGE GMDMEFTEAESNMNDLVS

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EYQQYQDATAEEEEEDFGEEAEEEEATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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
Protein Pathways	Gap junction, Pathogenic Escherichia coli infection
Full Length	Full L.

GENE INFORMATION

Gene Name	TUBB tubulin beta class I [Homo sapiens (human)]
Official Symbol	TUBB
Synonyms	M40; TUBB1; TUBB5; CDCBM6; CSCSC1; OK/SW-cl.56
Gene ID	203068
mRNA Refseq	NM_178014.4

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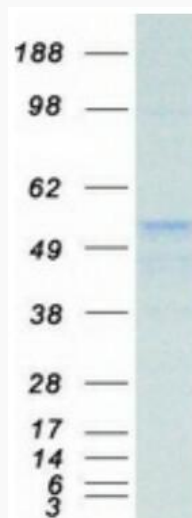
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Protein Refseq NP_821133.1

MIM 191130

UniProt ID P07437



Coomassie blue staining of purified TUBB protein.

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