

Recombinant Mouse Tubb3 Protein, Myc/DDK-tagged

Cat. No. Tubb3-6728M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tubulin, beta 3 class III (Tubb3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain. TUBB3 plays a critical role in proper axon guidance and maintenance. Binding of NTN1/Netrin-1 to its receptor UNC5C might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion. Plays a role in dorsal root ganglion axon projection towards the spinal cord.
Molecular Mass	50.4 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Tubb3 tubulin, beta 3 class III \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Tubb3](#)

Synonyms TUBB3; tubulin, beta 3 class III; tubulin beta-3 chain; betaIII-tubulin; M(beta)3; M(beta)6; 3200002H15Rik

Gene ID [22152](#)

mRNA Refseq [NM_023279](#)

Protein Refseq [NP_075768](#)

UniProt ID [Q9ERD7](#)

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