

Product datasheet for TP507181

Tubb3 (NM_023279) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tubulin, beta 3 class III (Tubb3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207181 protein sequence Red =Cloning site Green =Tags(s)

MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPSGNYVGSDSLQLERISVYYNEASSHKYVPRAILVDLEP
GTMDSVRSGAFGHLFRPDNFIFGQSGAGNNWAKGHYTEGAELVDSVLDVWRKECENCDCLOQGFQLTHSLG
GGTGSGMGTLISKVREEYPDRIMNTFSVSPKVSQDTVVEPYNATLSIHQLVENTDETYCIDNEALYDI
CFRTLKLATPTYGDLNHLVSATMSGVTTSLRFPGQLNADLRKLVANMVPFRLHFFMPGFAPLTARGSQQ
YRALTVPELTQQMFDANKMMAACDPRHGRYLTVATVFRGRMSMKEVDEQMLAIQSKNSSFVEWIPNNVK
VAVCDIPRGLKMSSTFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEGMDEMEFTEAESNMNDLVS
EYQQYQDATAEEEGEMYEDDDEESEAQGPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	50.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_075768</u>
Locus ID:	22152



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UniProt ID:	<u>Q9ERD7</u>
RefSeq Size:	1758
Cytogenetics:	8 E1
RefSeq ORF:	1353
Synonyms:	3200002H15Rik; M(beta)3; M(beta)6
Summary:	<p>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 (PubMed:28483977). Plays a role in dorsal root ganglion axon projection towards the spinal cord (By similarity).[UniProtKB/Swiss-Prot Function]</p>