

Product datasheet for **TP505738**

Mapt (NM_010838) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse microtubule-associated protein tau (Mapt), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205738 representing NM_010838 Red =Cloning site Green =Tags(s) MADPRQEFDTMEDHAGDYLLQDQEGDMDHGLKAAEEAGIGDTPNQEDQAAGHVTVQARVASKDRTGNDEKK AKGADGKTGAKIATPRGAASPAQKGTSNATRIPAKTTPSPKTPPGSGEPKSGERSGYSSPGSPGTPGSR SRTPSLPTPPTREPKKVAVVRTPPKSPSASKSRLQTAPVPMPLKLVGSKIGSTENLKHQPGGGKQIIN KKLDLSNVQSKCGSKDNIKHVPGGGSVQIVYKPVDSLKVTSCGSLGNIHHKPGGGQVEVKSEKLDKDR VQSKIGSLDNITHVPGGGNKKIETHKLTFRENAKAKTDHGAEIVYKSPVSGDTSRHLNSVSTGSIDM VDSPQLATLADEVASLAKQGL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	39.4 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:	NP_034968
Locus ID:	17762
UniProt ID:	P10637 , Q547J4 , Q3UH19 , Q8C5K4



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RefSeq Size: 5213

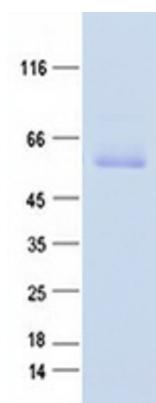
Cytogenetics: 11 E1

RefSeq ORF: 1116

Synonyms: A1413597; AW045860; Mtapt; Tau

Summary: Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms may preferentially play a role in its stabilization. [UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Mapt was analyzed by SDS-PAGE gel and Coomassie Blue Staining.