

Product datasheet for **TP313312M**

Tau (MAPT) (NM_005910) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human microtubule-associated protein tau (MAPT), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213312 representing NM_005910 Red =Cloning site Green =Tags(s)
	<p>MAEPRQEFVEMEDHAGTYGLGDRKDQGGYTMHQDQEGD TDAGLKESPLQTP TEDGSEEPGSETSDAKSTP TAEDVTAPLVDEGAPGKQAAAQPHT EIP EGT TAAEEAGIGDTPSLEDEAAGHV TQARMVSKSKDGTGSDDK KAKGADGKTKIATPRGAAPP GQK GQANATRIPAKTP PAPKTPSSGEPKSGDRSGYSSPGSPGTPGSR S RTPSLPTPTREP KKVAVVRTPPKSPSSAKSRLQTAPV PMPDLKNVSKIGSTENLKHQP GGGKVQIINK KLDLSNVQSKCGSKDNIKHVPGGGSVQIVYK PVDLSKVTSKCGSLGNIHHKPGGGQVEVKSEK LDFKDRV QSKIGSLDNITHVPGGGNKKIETHK LTFRENAKAKTDHGAEIVYKSPV VSGDTS PRHLSNVSSTGSIDMV DSPQLATLADEV SASLAKQGL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	45.7 kDa
Concentration:	>0.1 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_005901](#)

Locus ID: 4137

UniProt ID: [P10636](#), [A0A024RA17](#)

RefSeq Size: 5731

Cytogenetics: 17q21.31

RefSeq ORF: 1323

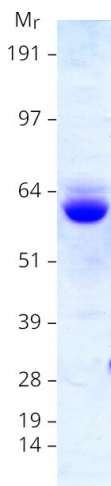
Synonyms: DDPAC; FTDP-17; MAPTL; MSTD; MTBT1; MTBT2; PPND; PPP1R103; TAU; tau-40

Summary: This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, MAPK signaling pathway

Product images:



Coomassie blue staining of purified MAPT protein (Cat# [TP313312]). The protein was produced from HEK293T cells transfected with MAPT cDNA clone (Cat# [RC213312]) using MegaTran 2.0 (Cat# [TT210002]).