

Product datasheet for **SC309206**

Tau (MAPT) (NM_173727) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tau (MAPT) (NM_173727) Human Untagged Clone
Tag:	Tag Free
Symbol:	Tau
Synonyms:	DDPAC; FLJ31424; FTDP-17; G protein beta1/gamma2 subunit-interacting factor 1; MAPTL; MGC138549; microtubule-associated protein tau; microtubule-associated protein tau, isoform 4; MSTD; MTBT1; MTBT2; PPND; TAU
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_173727 edited GCCACAGCAGCAGGCTGGGTGTCTTGGTTGTCAGTGGTGGCACCAGGATGGAAGGGCAA GGCACCCAGGGCAGGCCACAGTCCCGCTGTCCCCACTTGCACCCTAGCTTGTAGCTGC CAACCTCCCAGACAGCCCAGCCGCTGCTCAGCTCCACATGCATAGTATCAGCCCTCCAC ACCCGACAAAGGGGAACACCCCCTTGGAAATGGTCTTTTCCCCAGTCCCAGCTGGA AGCCATGCTGTCTGTTCTGCTGGAGCAGCTGAACATATACATAGATGTTGCCCTGCCCTC CCCATCTGCACCCTGTTGAGTTGTAGTTGGATTTGTCTGTTTATGCTTGGATTCACCAGA GTGACTATGATAGTGAAAAGAAAAAAAAAAAAAAAAAAGGACGCATGTATCTTGAAATGC TTGTAAGAGGTTTCTAACCACCTCACGAGGTGTCTCTCA
Restriction Sites:	Please inquire
ACCN:	NM_173727
Insert Size:	400 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_173727.1.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_173727.1, NP_776088.1</u>
RefSeq Size:	2946 bp
RefSeq ORF:	2946 bp
Locus ID:	4137
Cytogenetics:	17q21.31
Protein Families:	Druggable Genome
Protein Pathways:	Alzheimer's disease, MAPK signaling pathway
Gene Summary:	<p>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]</p>