

# Product datasheet for AR09754PU-N

### MAPT / TAU (1-381, His-tag) Human Protein

#### **Product data:**

#### OriGene Technologies, Inc.

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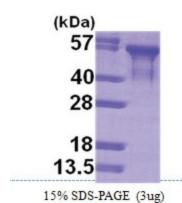
Product Type:	Recombinant Proteins
Description:	MAPT / TAU (1-381, His-tag) human recombinant protein, 50 μg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MAEPRQEFEV MEDHAGTYGL GDRKDQGGYT MHQDQEGDTD AGLKESPLQT PTEDGSEEPG SETSDAKSTP TAEAEEAGIG DTPSLEDEAA GHVTQARMVS KSKDGTGSDD KKAKGADGKT KIATPRGAAP PGQKGQANAT RIPAKTPPAP KTPPSSGEPP KSGDRSGYSS PGSPGTPGSR SRTPSLPTPP TREPKKVAVV RTPPKSPSSA KSRLQTAPVP MPDLKNVKSK IGSTENLKHQ PGGGKVQIVY KPVDLSKVTS KCGSLGNIHH KPGGGQVEVK SEKLDFKDRV QSKIGSLDNI THVPGGGNKK IETHKLTFRE NAKAKTDHGA EIVYKSPVVS GDTSPRHLSN VSSTGSIDMV DSPQLATLAD EVSASLAKQG L
Tag:	His-tag
Predicted MW:	41.8 kDa
Concentration:	lot specific
Purity:	>85%
Fullty.	~0.570
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 20% glycerol, 0.1 mM PMSF
2	Presentation State: Purified State: Liquid purified protein
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Buffer: Preparation: Protein Description:	<ul> <li>Presentation State: Purified</li> <li>State: Liquid purified protein</li> <li>Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 20% glycerol, 0.1 mM PMSF</li> <li>Liquid purified protein</li> <li>Recombinant human Tau protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.</li> <li>Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.</li> </ul>
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Buffer: Preparation: Protein Description: Storage: Stability:	<ul> <li>Presentation State: Purified</li> <li>State: Liquid purified protein</li> <li>Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 20% glycerol, 0.1 mM PMSF</li> <li>Liquid purified protein</li> <li>Recombinant human Tau protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.</li> <li>Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.</li> <li>Avoid repeated freezing and thawing.</li> <li>Shelf life: one year from despatch.</li> </ul>
Buffer: Preparation: Protein Description: Storage: Stability: RefSeq:	<ul> <li>Presentation State: Purified</li> <li>State: Liquid purified protein</li> <li>Buffer System: 20 mM Tris-HCl buffer (pH 7.5) containing 20% glycerol, 0.1 mM PMSF</li> <li>Liquid purified protein</li> <li>Recombinant human Tau protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.</li> <li>Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.</li> <li>Avoid repeated freezing and thawing.</li> <li>Shelf life: one year from despatch.</li> <li><u>NP 001116538</u></li> </ul>



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	MAPT / TAU (1-381, His-tag) Human Protein – AR09754PU-N
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 Pathway	<b>/s:</b> Alzheimer's disease, MAPK signaling pathway

## Product images:



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