

Product information

Tau, 1-381aa

Human, His-tagged, Recombinant, *E.coli*

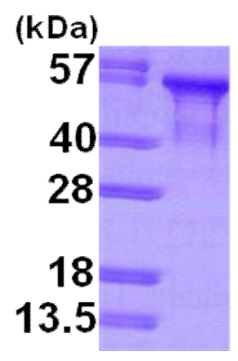
Cat. No. IBATGP0814

Full name: Microtubule-associated protein tau, isoform CRA_f

NCBI Accession No.: EAW93573.1

Synonyms: MAPT, DDPAC, FTDP-17, MAPTL, MSTD, MTBT1, MTBT2, PPND

Description: Tau, also known as microtubule-associated protein tau (MAPT), is a protein that stabilizes microtubules. It is abundant in neurons in the central nervous system and is less common elsewhere. When this protein is defective, and no longer stabilizes microtubules properly, it can result in dementias, such as Alzheimer's disease. Recombinant human Tau protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p>Form: Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 1 mM DTT, 20% Glycerol</p> <p>Molecular Weight: 41.8kDa(401aa) confirmed by MALDI-TOF (molecular size on SDS-PAGE will appear higher)</p> <p>Purity: > 85% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by BCA assay)</p> <p>Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)</p>	
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MAEPRQEFEV MEDHAGTYGL GDRKDQGGYT MHQDQEGDTD AGLKESPLQT PTEDGSEEPG SETSDAKSTP TAEAEAGIG DTPSLEDEAA GHVTQARMVS KSKDGTGSDD KKAKGADGKT KIATPRGAAP PGQKQANAT RIPAKTPPAP KTPPSSGPEP KSGDRSGYSS PGSPGTPGSR SRTPSLPTPP TREPKKVAVV RTPPKSPSSA KSRLQTAPVP MPDLKQVSK IGSTENLKHQ PGGGKVQIVY KPVDSLKVTS KCGSLGNIHH KPGGGQVEVK SEKLDKDRV QSKIGSLDNI THVPGGNGKK IETHKLTFRE NAKAKTDHGA EIVYKSPVVS GDTSPRHLSN VSSTGSIDMV DSPQLATLAD EVSASLAKQG L</p>	

General references:

Cross D., et al. (1993), *J Cell Sci.* 105: 51-60.

Lubke U., et al. (1994), *Am. J. Pathol.* 145: 175-188

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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