

## 32-4172: Recombinant Human Microtubule-Associated Protein Tau

**Alternative Name :** TAU,DDPAC,FTDP-17,MAPTL,MSTD,MTBT1,MTBT2,PPND.

### Description

Source : Escherichia Coli. MAPT Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 372 amino acids (1-352 a.a.) and having a molecular mass of 38.9 kDa (Real molecular weight on SDS-PAGE will be shift up). The MAPT is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. MAPT is a neuronal microtubule associated protein localized mostly on axons. MAPT promotes tubulin polymerisation and stabilizes microtubules, however it also serves to connect certain signalling pathways to the cytoskeleton. MAPT, in its hyperphosphorylated form, is the main part of paired helical filaments (PHF) and neurofibrillary lesions in Alzheimer's disease (AD) brain.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 85.0% as determined by SDS-PAGE.
<b>Content :</b>	The MAPT solution (0.5mg/ml) contains 20mM Tris-HCl pH-8, 1mM DTT, 0.2M NaCl & 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MAEPRQEFEV MEDHAGTYGL GDRKDQGGYT MHQDQEGDTD AGLKAE EAGI GDTPSLEDEA AGHV TQARMV SKSKDGTGSD DKKAKGADGK TKIATPRGAA PPGQKGQANA TRIPAKTPPA PKTPSSGEP PKSGDRSGYS SPGSPGTPGS RSRTPSLPTP PTREP KKVAV VRTPPKSPSS AKSRLQTAPV PMPDLKNVKS KIGSTENLKH QPGGGKVQIV YKPV DLSKVT SKCGSLGNIH HKPGGGQVEV KSEKLD FKDR VQSKIGSLDN ITHVPGGGNK KIETHKL TFR ENAKAKTDHG AEIVYKSPVV SGDTS PRHLS NVSSTGSIDM VDSPQLATLA DEVSASLAKQ GL.

