

Microtubule-Associated Protein Tau 412 a.a. Human Recombinant

Item Number	rAP-3638
Synonyms	Microtubule-associated protein tau, isoform CRA_f, Neurofibrillary tangle protein, Paired helical filament-tau, PHF-tau, MAPT, MAPTL, MTBT1, TAU, MSTD, PPND, DDPAC, MTBT2, FTDP-17, FLJ31424, MGC138549.
Description	MAPT Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 432 amino acids (1-412 a.a.) and having a molecular mass of 45.1kDa (Molecular size on SDS-PAGE will appear higher). The MAPT is purified by proprietary
Uniprot Accession Number	P10636
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MAEPRQEFEV MEDHAGTYGL GDRKDQGGYT MHQDQEGDTD AGLKESPLQT PTEDGSEEPG SETSDAKSTP TAEAEAGIG DTPSLEDEAA GHVTQARMVS KSKDGTGSDD KKAKGADGKT KIATPRGAAP PGQKGQANAT RIPA KTPPSSGEPP KSG- DRSGYSS PGSPGTPGSR SRTPSLPTPP TREP KKVAVV RTPPKSPSSA KSRLQTAPVP MPDLKNVSKK IGSTENLKHQ PGGGKVQIIN KKLDLSNVQS KCGSKDNIKH VPGGGSVQIV YKPDVLSKVT SKCGSLGNIH HKPGGGQVEV KSEKLD FKDR VQSKIGSLDN ITHVPGGGNK KIETHKLTFR
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The MAPT solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0) and 20% glycerol. Greater than 80.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**