

32-4175: Recombinant Human Microtubule-Associated Protein Tau 412 a.a.

Alternative Name : 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

Source : Escherichia Coli. 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 chromatographic techniques. Microtubule-associated protein tau (MAPT or Tau) is a protein that stabilizes microtubules. MAPT is abundant in neurons in the central nervous system and is less common elsewhere. When MAPT is defective, and no longer stabilizes microtubules properly, it can result in dementias, such as Alzheimer's disease.

Product Info

Amount : 5 µg
Purification : Greater than 80.0% as determined by SDS-PAGE.
Content : The MAPT solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0) and 20% glycerol.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MAEPRQEFV MEDHAGTYGL GDRKDQGGYT MHQDQEGDTD
AGLKESPLQT PTEDGSEEPG SETSDAKSTP TAEAEAGIG DTPSLEDEAA GHVTQARMVS KSKDGTGSDD
KKAKGADGKT KIATPRGAAP PGQKGQANAT RIPAKTPPAP KTPPSSGEPP KSGDRSGYSS PGSPGTPGSR
SRTPSLPTPP TREPKKVAVV RTPPKSPSSA KSRLQTAPVP MPDLKNVKSK IGSTENLKHQ PGGGKVQIIN
KKLDLSNVQS KCGSKDNIKH VPGGGSVQIV YKPVDSLKVT SKCGSLGNIH HKPGGGQVEV KSEKLDKDR
VQSKIGSLDN ITHVPGGGNK KIETHKLTFR ENAKAKTDHG AEIVYKSPVV SGDTSPRHLS NVSSTGSIDM
VDSPQLATLA DEVSASLAKQ GL.