

MAPT Human 412a.a.

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 chromatographic techniques.

Catalog #: PRPS-217

For research use only.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MAEPRQEFEV MEDHAGTYGL
GDRKDQGGYT MHQDQEGDTD AGLKESPLQT PTEDGSEEPG SETSDAKSTP TAEAEAGIG
DTPSLEDEAA GHVTQARMVS KSKDGTGSDD KKAKGADGKT KIATPRGAAP PGQKGQANAT
RIPAKTPPAP KTPSSSGEPP KSGDRSGYSS PGSPGTPGSR SRTPSLTPP TREPKKVAVV
RTPPKSPSSA KS

Purity: Greater than 80.0% as determined by SDS-PAGE.

Formulation:

The MAPT solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0) and 20% glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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