

Recombinant Human MAPT Protein, His-tagged

Cat. No. MAPT-127H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPT, transcript variant 6, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy.
Form	Lyophilized from a 0.2 M filtered solution of 20mM Phosphate buffer, 150mM NaCl, pH 7.4.
Molecular Mass	15.4 kDa
Endotoxin	< 0.1 EU per g protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Storage	Stable for at least 6 months from date of receipt under proper storage and handling

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conditions.

Concentration Resuspend the protein to the desired concentration in proper buffer.

GENE INFORMATION

Gene Name [MAPT microtubule-associated protein tau \[Homo sapiens \]](#)

Official Symbol [MAPT](#)

Synonyms

MAPT; microtubule-associated protein tau; DDPAC, MAPTL; FLJ31424; FTDP 17; G protein beta1/gamma2 subunit interacting factor 1; MGC138549; microtubule associated protein tau; isoform 4; MSTD; MTBT1; MTBT2; PPND; tau; TAU; PHF-tau; paired helical filament-tau; neurofibrillary tangle protein; microtubule-associated protein tau, isoform 4; G protein beta1/gamma2 subunit-interacting factor 1; DDPAC; MAPTL; FTDP-17;

Gene ID [4137](#)

mRNA Refseq [NM_001123066](#)

Protein Refseq [NP_001116538](#)

MIM [157140](#)

UniProt ID [P10636](#)

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