

Recombinant Human Tau-441 (2N4R) Wild-Type Protein (Pre-formed Fibrils)

Cat. No. MAPT-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Recombinant Tau-441 (2N4R) Wild-Type Protein Pre-formed Fibrils without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length
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.
AA Sequence	MAEPRQEFVME DHAGTYGLGDRKDQGGYTMHQDQEGD TDAGLKESPLQTPTD GSEEPGSETSDAKSTPTAEDVTAPLVDEGAPGKQAAQPHTEIPEGTTAEEAGIGDT PSLEDEAAGHV TQARMVSKSKDGTGSDDKKAKGADGKTKIATPRGAAPP GQKGQA NATRIPAKTPPAPKTPPSSGEPPKSGDRSGYSSPGSPGTPGSRSRTPSLPTPTRE PKKVAVVRTPPKSPSSAKSRLQTAPVPM PDLKNVSKIGSTENLKHQPGGGKVQIIN KKLDLSNVQSKCGSKDNIKHVPGGGSVQIVYK PVDLSKVTSKCGSLGNIHHKPGGG

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	QVEVKSEKLDKDRVQSKIGSLDNITHVPGGGNKKIETHKLTFRENAKAKTDHGAEIV YKSPVVSGDTSRHLNSVSSTGSIDMVDSPQLATLADEV SASLAKQGL
Purity	> 95%
Applications	WB, SDS-PAGE, In vivo assay, In vitro assay
Storage	At -80 centigrade
Storage Buffer	10 mM HEPES, 100 mM NaCl pH 7.4
Shipping	Dry Ice. Shipping note: Product will be shipped separately from other products purchased in the same order.

GENE INFORMATION

Gene Name	MAPT microtubule associated protein tau [Homo sapiens (human)]
Official Symbol	MAPT
Synonyms	Active tau PFFs, tau PFF, active tau protein Pre-formed Fibrils, active tau aggregates, microtubule-associated protein tau, MAPT, MAP, microtubule-associated protein, Paired Helical Filament-Tau, Phf-Tau, Neurofibrillary Tangle Protein, G Protein Beta1/Gamma2 Subunit-Interacting Factor 1, Isoform 4, tubulin-associated unit, MAPT DeltaK280, ΔK280 tau, K18 delta K280 tau, truncated ΔK280 tau; MAPT; microtubule associated protein tau; TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; tau-40; FTDP-17; PPP1R103; Tau-PHF6; microtubule-associated protein tau; G protein beta1/gamma2 subunit-interacting factor 1; PHF-tau; Tau-derived paired helical filament hexapeptide; neurofibrillary tangle protein; paired helical filament-tau; protein phosphatase 1, regulatory subunit 103

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Gene ID	4137
mRNA Refseq	NM_016841
Protein Refseq	NP_058525
MIM	157140
UniProt ID	P10636

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