

Recombinant Full Length Human wild-type Tau 2N4R

Cat. No. Tau dGAE-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Tau dGAE Monomers (297-391 aa) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	297-391 aa
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.
Tag	Non
Molecular Mass	10.165 kDa
AA Sequence	IKHVPGGGSVQIVYKPVDSLKVTSKCGSLGNIHHKPGGGQVEVKSEKLDKDRVQS KIGSLDNITHVPGGGNKKIETHKLTFRENAKAKTDHGAE
Purity	> 95%

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Applications	WB, SDS PAGE, In vitro Assay
Storage	Store at -80 centigrade.
Storage Buffer	10mM PB pH 7.4, 10mM DTT
Concentration	2 mg/mL or 5 mg/mL
Shipping	Dry Ice. 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	MAPT; microtubule associated protein tau; TAU; FTD1; 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
Gene ID	4137
mRNA Refseq	NM_016835
Protein Refseq	NP_058519
MIM	157140

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UniProt ID P10636

SDS-PAGE of
purified E. coli
expressed hTau
(dGAE) on a 12%
Tris-Glycine gel.

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