

Recombinant Human microtubule-associated protein tau Protein, GST-tagged

Cat. No. MAPT-51H Lot. No. (See product label)

SPECIFICATION

Product Overview	The sequence (Accession # AAC04279.1) corresponding to the full length human Tau-441 (2N4R isoform) protein along with GST tag was expressed in E. coli. Recombinant Tau-441 protein was purified from bacterial lysate using proprietary method.
Species	Human
Source	E.coli
ProteinLength	1-758aa
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
Form	Lyophilized
Molecular Mass	71.8 kDa (higher apparent mass in SDS-PAGE)

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Purity	≥90% by SDS-PAGE
Applications	ELISA; Western Blotting
Usage	Research use
Storage	Store at 2-4 centigrade for immediate use within 1 week or at –80 centigrade for long-term storage. Avoid repeated freeze-thaw cycles
Storage Buffer	The purified Tau-441 is supplied as lyophilized powder salt free.

GENE INFORMATION

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

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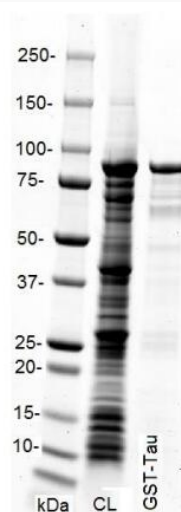
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UniProt ID

P10636

Human GST-Tau-441
on SDS-PAGE



Purified protein was loaded onto 10-20% Tris-HCl gel at 2 µg/well. CL=unpurified cell lysate, GST-Tau=purified GST-Tau fusion protein.

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