

Tau/0N3R Protein, Human (351a.a, His)

Cat. No.:	HY-P73618
Synonyms:	MAPT; Mtapt; Tau; Microtubule-associated protein tau; PHF-tau
Species:	Human
Source:	E. coli
Accession:	NP_058525.1 (A2-L352)
Gene ID:	4137
Molecular Weight:	40-50 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The Tau/0N3R gene encodes the microtubule-associated protein tau (MAPT), which undergoes intricate, regulated alternative splicing, generating various mRNA species. The expression of MAPT transcripts varies across the nervous system, contingent on the stage of neuronal maturation and the specific neuron type. Mutations in the MAPT gene have been implicated in several neurodegenerative disorders, including Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration, and progressive supranuclear palsy. With biased expression observed in the brain (RPKM 70.2), kidney (RPKM 12.0), and two other tissues, Tau/0N3R plays a pivotal role in neurophysiology and is associated with diverse neuropathological conditions.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA