

Active Recombinant Monkey MAPT Protein, Tag Free

Cat. No. MAPT-11151M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus Tau Protein, Tag Free is expressed from Yeast. It contains AA Ala 2 - Leu 776 (Accession # A0A2K5WB98-1). This protein carries no "tag".
Species	Monkey
Source	Yeast
ProteinLength	2-776 aa
Description	Tau is a microtubule-associated protein, which encodes by the MAPT gene that located on chromosome 17q21. Tau Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. Hyperphosphorylation of the tau protein (tau inclusions, pTau) can result in the self-assembly of tangles of paired helical filaments and straight filaments, which are involved in the pathogenesis of Alzheimer's disease, frontotemporal dementia, and other tauopathies.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Cynomolgus Tau Protein, Tag Free at 5 µg/mL (100 µL/well) can bind Tau Monoclonal Antibody with a linear range of 0.1-8 ng/mL.
Molecular Mass	The protein has a calculated MW of 82.9 kDa.

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Endotoxin	Less than 0.01 EU/μg by the LAL method/rFC method.
Purity	>85% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	MAPT microtubule associated protein tau [Macaca fascicularis (crab-eating macaque)]
Official Symbol	MAPT
Synonyms	MAPT; microtubule associated protein tau; microtubule-associated protein tau
Gene ID	102119414
mRNA Refseq	XM_065531775
Protein Refseq	XP_065387847
UniProt ID	A0A2K5WB98

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