

Recombinant Cynomolgus MAPT Protein, His tagged

Cat. No. MAPT-01C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus MAPT Protein with His tag was expressed in E. coli.
Species	Cynomolgus
Source	E.coli
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.
Molecular Mass	The protein has a calculated MW of 44 kDa.
AA Sequence	MAEPRQEFDMEDHAGTYGLGDRKDQEGYTMLQDQEGDTDAGLKESPLQTPAED GSEELGSETSDAKSTPTAEAEAGIGDTPSLEDEAAGHVTQARMVSKSKDGTGSDD KKAKGADGKTKIATPRGAAPPGQKGQANATRIPAKTPPAPKTPPSSGEPKSGDRS GYSSPGSPGTPGSRSRTPSLTPPAREPKKVAVVRTPPKSPSSAKSRLQTAPVPMMP DLKNVSKIGSTENLKHQPGGGKVQIINKKLDLSNVQSKCGSKDNIKHVPGGGSVQI VYKPVDLKVTSCGSLGNIHHKPGGGQVEVKSEKLDFKDRVQSKIGSLDNITHVPG GGNKKIETHKLTFRENAKAKTDHGAEIVYKSPVVSAGDTSRHLNSVSSTGSIDMVDS PQLATLADEVSAKQGLHHHHHHHH

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Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.22 mg/mL by BCA
Storage Buffer	50 mM Tris, 200 mM NaCl, pH 8.0

GENE INFORMATION

Gene Name	MAPT microtubule associated protein tau [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	MAPT
Synonyms	MAPT; microtubule associated protein tau; microtubule-associated protein tau
Gene ID	102119414
mRNA Refseq	XM_005584543
Protein Refseq	XP_005584600
UniProt ID	A0A2K5WBI2

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**Reducing 12% SDS-
PAGE (CBB stained)
and WB (Anti-His
Mouse Monoclonal
Antibody) analysis
profile of purified
MAPT**



1. MAPT-01C
2. BSA

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