

Recombinant Human Tau-441 protein, phosphorylated

Cat. No. MAPT-38H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human tag-free Tau-441 was co-expressed with DYRK1A in E. coli cells. The Tau-441 was phosphorylated by DYRK1A in vivo and in vitro prior to the final chromatography purification.
Species	Human
Source	E.coli
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~68~71 kDa
Purity	>95% by densitometry
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 ug/ul
Full Length	Full L.

GENE INFORMATION

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

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Official Symbol	MAPT
Synonyms	MAPT;FLJ31424; FTDP 17; MSTD; MTBT1; MTBT2; PPND; tau; TAU; DDPAC; MAPTL; FTDP-17;
Gene ID	4137
mRNA Refseq	NM_001123066
Protein Refseq	NP_001116538
MIM	157140
UniProt ID	P10636
Chromosome Location	17q21
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Caspase-mediated cleavage of cytoskeletal proteins, organism-specific biosystem; IL-6 Signaling Pathway, organism-specific biosystem;
Function	SH3 domain binding; apolipoprotein E binding; enzyme binding; lipoprotein particle binding; microtubule binding; protein binding; structural constituent of cytoskeleton;

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