

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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