

Recombinant Human MARK3

Cat. No. MARK3-26831TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Mark3 protein (Human), with N-terminal enzyme tag, MW 110kDa. Expressed by baculovirus in insect sf9 cells.
Species	Human
Description	The protein encoded by this gene is activated by phosphorylation and in turn is involved in the phosphorylation of tau proteins MAP2 and MAP4. Several transcript variants encoding different isoforms have been found for this gene.
Tissue specificity	Ubiquitous.
Biological activity	Specific activity 722 nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. MARK subfamily. Contains 1 KA1 (kinase-associated) domain. Contains 1 protein kinase domain. Contains 1 UBA domain.

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Full Length	Full L.
GENE INFORMATION	
Gene Name	MARK3 MAP/microtubule affinity-regulating kinase 3 [Homo sapiens]
Official Symbol	MARK3
Synonyms	MARK3; MAP/microtubule affinity-regulating kinase 3; CTAK1; KP78;
Gene ID	4140
mRNA Refseq	NM_001128918
Protein Refseq	NP_001122390
MIM	602678
Uniprot ID	P27448
Chromosome Location	14q32.3
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity;

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