

Recombinant Human MARK1, GST-tagged, Active

Cat. No. MARK1-348H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human MARK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW = 125 kDa.
Species	Human
Source	Sf9 Cells
Description	MARK1 is a member of the MARK family and is a serine/threonine-protein kinase that plays a key role in signal transduction. Due to its protein serine/threonine kinase activity, MARK1 is known to mediate phosphorylation of key proteins involved in signal transduction and cell communication. MARK1 phosphorylates microtubule-associated proteins and trigger microtubule disruption. Gene mutation studies performed in mice revealed that after targeted disruption of the MARK1 gene, the mice lacked the ability to drink, and displayed hind leg motor dysfunction.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. 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.

GENE INFORMATION

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Gene Name	MARK1 MAP/microtubule affinity-regulating kinase 1 [Homo sapiens]
Synonyms	MARK1; MAP/microtubule affinity-regulating kinase 1; MARK; KIAA1477; MGC126512; MGC126513; EC 2.7.11.1; OTTHUMP00000035458; Serine/threonine-protein kinase MARK1
Gene ID	4139
mRNA Refseq	NM_018650
Protein Refseq	NP_061120
MIM	606511
UniProt ID	Q9P0L2
Chromosome Location	1q41
Function	ATP binding; magnesium ion binding; nucleotide binding; protein serine/threonine kinase activity; transferase activity