

Recombinant Human MARK1 (N-GST tag)

Cat No:HR2R1693

For research use only

Overview

Quantity	10 ?g
Gene Symbol	MARK1
Gene ID	N/A
Accession	BC114478
Alternative Name	MARK, KIAA1477
Species	Human
Source	Insect 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 .?
Functions	The specific activity of MARK1 was determined to be 470 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	125
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	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.