

Recombinant Human MARK4 (N-GST tag)

Cat No:HR2R1696

For research use only

Overview

Quantity	10 ?g
Gene Symbol	MARK4
Gene ID	N/A
Accession	NM_031417
Alternative Name	MARKL1; KIAA1860
Species	Human
Source	Insect cells
Description	<p>MARK4 or microtubule affinity-regulating kinase 4 is a member of the Par-1 family of serine/threonine protein kinases. MARK4 is predominantly expressed in the brain and readily phosphorylates Tau, MAP2 and MAP4. MARK4 co-localizes with the centrosome and microtubules in cultured cells. Overexpression of MARK4 causes thinning out of the microtubule network concomitant with the reorganization of microtubules into bundles . MARK4 provides a growth advantage to cells and the up-regulation of this kinase during focal ischaemia may represent an interesting new target for pharmacological intervention. MARK4 is expressed during the cell cycle and is linked to aberrant centrosomes in glioma cells .</p>
Functions	The specific activity of MARK4 was determined to be 1,050 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	104
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.