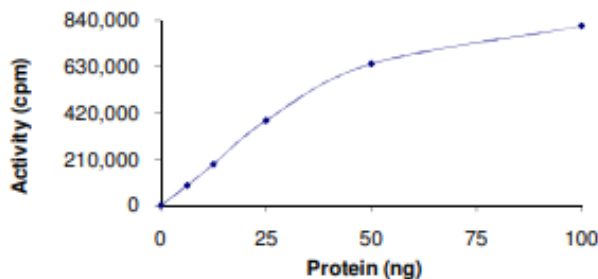


MARK4

Recombinant Human MARK4, Active GST Tag

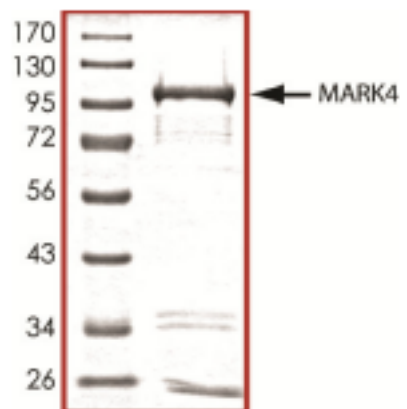
Catalog No.	CSI13435	Quantity:	10 µg
Alternate Names:	MAP/microtubule affinity-regulating kinase 4, MAP/microtubule affinity-regulating kinase-like 1		
Description:	<p>Recombinant human full length MARK4 was expressed by baculovirus in Sf9 cell with a N-terminal GST tag.</p> <p>MARK4 or microtubule affinity-regulating 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 ischemia may represent a new therapeutic target. MARK4 is expressed during the cell cycle and is linked to aberrant centrosomes in glioma cells.</p>		
UniProt ID:	Q96L34		
Source:	Insect cells		
Molecular Weight:	~104 kDa		
Concentration:	0.1 mg/ml		
Formulation:	50mM Tris, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM, 25% glycerol		
Purity:	> 80% by SDS-PAGE		
Specific Activity:	1,140 nmol/min/mg using CHKtide peptide substrate (KKKVSRSGLYRSPMPENLNRPR)		
Storage & Stability:	Store at -80°C. Upon initial thaw, briefly centrifuge the vial , aliquot the stock solution and store at -80°C. Avoid repeated freeze-thaw cycles.		

Specific Activity



The specific activity of MARK4 was determined to be **1,050 nmol /min/mg** as per activity assay protocol.

Purity



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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