Recombinant Human MARK3 (N-GST tag)

Cat No:HR2R1695

For research use only

Overview

Quantity	10 ?g
Gene Symbol	MARK3
Gene ID	N/A
Accession	NM_002376
Alternative Name	KP78, CTAK1, PAR1A
Species	Human
Source	Insect cells
Description	?Microtubule affinity-regulating kinase 3 (MARK3) is a member of the PAR-1/MARK kinase family which play critical roles in polarity and cell cycle control and are regulated by 14-3-3 scaffolding proteins, as well as the LKB1 tumour suppressor kinase and atypical protein kinase C (PKC). MARK3 is a dual-specificity protein kinase that controls entry into mitosis by dephosphorylating CDC2. MARK3 seems to be a positive regulator of the beta-catenin pathway and an inhibitor of the JNK pathway. MARK3, a regulator of polarity, is also a modulator of Wnt-beta-catenin signalling, indicating a link between two important developmental pathways .
Functions	The specific activity of MARK3 was determined to be 722 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	110
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.