

Recombinant Human CDC42BPG (DMPK2) (N-GST tag)

Cat No:HR2R1249

For research use only

Overview

Quantity	10 ?g
Gene Symbol	CDC42BPG (DMPK2)
Gene ID	N/A
Accession	NM_017525
Alternative Name	DMPK2; HSMDPKIN; KAPPA-200; MRCKG; MRCKgamma
Species	Human
Source	Insect cells
Description	Serine/threonine-protein kinase MRCK?, encoded by CDC42BPG gene, acts as a downstream effector of CDC42 in cytoskeletal reorganization, and contributes to the actomyosin contractility required for cell invasion, through the regulation of MYPT1 and MLC2 phosphorylation. It belongs to AGC protein kinase family, DMPK subfamily. It contains an N-terminal kinase domain, followed by a coiled-coil domain, a second coiled-coil domain containing a kinase inhibitory motif (KIM), a variable region, a cysteine-rich domain, a pleckstrin (PLEK; 173570) homology (PH) domain, a citron (605629) homology (CNH) domain, and a C-terminal CDC42 (116952)/RAC (602048) interactive binding (CRIB) domain.
Functions	The specific activity of CDC42BPG (DMPK2) was determined to be 82 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	78
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.