

CDC42BPG (DMPK2) Recombinant Protein | CDC42BPG recombinant protein

CDC42BPG (DMPK2), Active

CATALOG # AAA73405	HOST Sf9 insect cells	APPLICATIONS Western Blot
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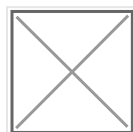
PRODUCT SYNONYMS

CDC42BPG (DMPK2); Active; DMPK2; HSMDPKIN; KAPPA-200; MRCKG; MRCKgamma; CDC42BPG recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for CDC42BPG recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for CDC42BPG recombinant protein	Recombinant human CDC42BPG (1-475) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_017525. Serine/threonine-protein kinase MRCKgamma, 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.
Product Categories/Family for CDC42BPG recombinant protein	Protein Kinases; Cancer; Cardiovascular Disease; Cell Cycle; Ser/Thr Kinases

References

1. Ng, Y. et al: Expression of the human myotonic dystrophy kinase-related Cdc42-binding kinase gamma is regulated by promoter DNA methylation and Sp1 binding. J. Biol. Chem. 279: 34156-34164, 2004.
2. Kedra D. et al: The germinal center kinase gene and a novel CDC25-like gene are located in the vicinity of the PYGM gene on 11q13. Hum Genet. 100(5-6):611-9, 1997.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_017525](#)

Molecular Weight

~78kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cdc42bpg-dmpk2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73405>