

Recombinant Human CDC42 Binding Protein Kinase Beta, GST-His-tagged

Cat. No. CDC42BPB-369H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman CDC42BPB containing amino acids M1-H472, N-terminally fused toGST-HIS6-Thrombin cleavage site.
Species	Human
Source	Sf9 Cells
ProteinLength	1-472 a.a.
Description	This geneencodes a member of the serine/threonine protein kinase family. The encodedprotein contains a Cdc42/Rac-binding p21 binding domain resembling that ofPAK kinase. The kinase domain of this protein is most closely related to thatof myotonic dystrophy kinase-related ROK. Studies of the similar gene in ratsuggested that this kinase may act as a downstream effector of Cdc42 incytoskeletal reorganization.
Form	Liquid in50 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione +20% glycerol.
Molecular Weight	84.4 kDa
Purity	Affinitypurified using GSH-agarose.
Specific Activity	14 pmol/ugx min

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

OfficialSymbol CDC42BPB

GENE INFORMATION

Gene Name CDC42BPB CDC42 binding protein kinase beta (DMPK-like) [Homo sapiens]

Synonyms CDC42BPB; CDC42 binding protein kinase beta (DMPK-like); MRCKB; FLJ37601; FLJ44730; KIAA1124; DKFZp686H1431; CDC42-binding protein kinase beta (DMPK-like); Serine/threonine-protein kinase MRCK beta; EC 2.7.11.1; CDC42-binding protein kinase beta; CDC42BP-beta; DMPK-like beta; Myotonic dystrophy kinase-related CDC42-binding kinase beta; MRCK beta; myotonic dystrophy protein kinase-like beta; EC 2.7.11

Gene ID 9578

mRNA Refseq NM_006035

Protein Refseq NP_006026

MIM 614062

UniProt ID Q9Y5S2

Chromosome Location 14q32.3

Function protein kinase binding; ATP binding; magnesium ion binding; nucleotide binding; protein serine/threonine kinase activity; small GTPase regulator activity; Rho GTPase binding

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