

Recombinant Human CDC42BPB, GST-tagged, Active

Cat. No. CDC42BPB-358H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MRCKbeta (1-473) was expressed by baculovirus in <i>Sf9 insect cell</i> using an N-terminal GST tag. MW = 73 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	1-473 a.a.
Description	Myotonic Dystrophy Kinase-Related cdc42-binding kinase beta (MRCK β) belongs to the DMPK subfamily. The myotonic dystrophy kinase-related kinases and myotonic dystrophy kinase-related Cdc42 binding kinase (MRCK) are effectors of RhoA and Cdc42, respectively, where they are involved in actin cytoskeletal reorganization and neurite outgrowth. Effects of the repeat expansion on the DMPK gene may be responsible for muscle and heart features of Myotonic Dystrophy.
Sequence	1-473.
Applications	Kinase Assay, Western Blot.
Storage And Stability	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.

GENE INFORMATION

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Gene Name	CDC42BPB CDC42 binding protein kinase beta (DMPK-like) [Homo sapiens]
Synonyms	CDC42BPB; CDC42 binding protein kinase beta (DMPK-like); MRCKB; KIAA1124; CDC42-binding protein kinase beta; myotonic dystrophy protein kinase-like beta; CDC42-binding protein kinase beta (DMPK-like); EC 2.7.11.1; DMPK-like beta; MRCK beta; Myotonic dystrophy kinase-related CDC42-binding kinase beta; Serine/threonine-protein kinase MRCK beta
Gene ID	9578
mRNA Refseq	NM_006035
Protein Refseq	NP_006026
UniProt ID	Q9Y5S2
Chromosome Location	14q32.3
Function	ATP binding; Rho GTPase binding; magnesium ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; small GTPase regulator activity; transferase activity; zinc ion binding

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