

Recombinant Human CDC42BPA, GST-tagged, Active

Cat. No. CDC42BPA-357H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MRCKalpha (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 α (MRCK α) is a Cdc42/Rac/Rho interactive/binding serine/threonine kinase with multiple functional domains. MRCK are effectors of RhoA and Cdc42, respectively, for actin reorganization. MRCK α is a critical regulator of signal transduction pathways in eukaryotic cells that are known principally for their role in regulating the cytoskeleton, and they do so by recruiting a variety of downstream effector proteins.
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	CDC42BPA CDC42 binding protein kinase alpha (DMPK-like) [Homo sapiens]
Synonyms	CDC42BPA; CDC42 binding protein kinase alpha (DMPK-like); MRCK; MRCKA; PK428; FLJ23347; KIAA0451; DKFZp686L1738; DKFZp686P1738; CDC42-binding protein kinase alpha; ser-thr protein kinase PK428; CDC42 binidng protein kinase beta; CDC42-binding protein kinase alpha (DMPK-like); myotonic dystrophy kinase-related CDC42-binding protein kinase alpha; ser-thr protein kinase related to the myotonic dystrophy protein kinase; EC 2.7.11.1; OTTHUMP00000035727; OTTHUMP00000035728; DMPK-like alpha
Gene ID	8476
mRNA Refseq	NM_003607
Protein Refseq	NP_003598
MIM	603412
UniProt ID	Q5VT25
Chromosome Location	1q42.11
Function	ATP binding; identical protein binding; magnesium ion binding; nucleotide binding; protein serine/threonine kinase activity; small GTPase regulator activity; transferase activity; zinc ion binding