

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 *Sf9 insect cell* 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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



| | |
|----------------------------|--|
| 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 |

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

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