

Datasheet for ABIN7564264
MRCKG Protein (AA 1-1551) (His tag)



[Go to Product page](#)

Overview

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| Quantity: | 1 mg |
| Target: | MRCKG (CDC42BPG) |
| Protein Characteristics: | AA 1-1551 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This MRCKG protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Cdc42bpg Protein expressed in mammalian cells. |
| Sequence: | MEQRLRALEQ LVRGEAGGSP GLDGLLDLLL GVHQELSSAP LRRERNVAQF LSWASPFVTK VKELRLQRDD FEILKVI GRG AFGEVAVVRQ RGSQIFAMK MLHKWEMLKR AETACFREER DVLVKGDSRW VTALHYAFQD EEYLYLVMDY YAGGDLLTLL SRFEDRLPPE LAQFYLAEMV LAIHSLHQLG YVHRDVKPDN ILLDMNGHIR LADFGSCLRL NNGMVDSSV AVGTPDYISP EILQAMEEGK GHYGPQCDWW SLGVCA YELL FGETPFYAES LVETYGKIMN HEDHLQFPAD VTDVPASAQD LIRQLLCRQE ERLGRGGLDD FRKHPFFEGV DWERLATSTA PYIPELRGPM DTSNFDVDDD TLNRPETLPP SSHGAFSGHH LPFVGFTYTS GSPFDVQSSE LMAAPEGTPH CVEQVKVELS HKCQEPLHGP LQPQELVRLQ KEVQVLQEKL AETLRDSKAS LSQTDGLHAR SPAPNIQLQQ EKDR LQQLT EAQAALRVQD AELCQAQNRQ EEFLQRLWEA QEREAASQ IQALNSQLEE AWVVRRELEG QVTTLSQEV T RLQGQCKQES SQAKTVHAAP ETNGIGSPEG QSQAQLRKE VAALREQLEH ACSQGISVGK EEVLCRLQEE NQRLSREQER LAGELELELQ SKQRLEGERR ETESNWEAQI ADILSWVNDE KVSRYLQAL ATKMAEELES LRNVGTQTL P |

TRPLDHQWKA RRLQKMEASA RLELQSALEA EIRAKQSLQE QLTQVQEAQR QAERRLQEA
KQSQUALQEV AELREELQAR GPGDARPSTS LIPLLSFWNT EKDSAKDPGN SGEGPRSGAE
AELRPEGRRS LRMGSVFPRV PAATTTPAEG PPAKPGSHTL RPRSFPSPTK CLRCTSLMLG
LGRQGLGCDT CGYFCHSACA SQAPPCPVPP ELLRTALGVH PETGTGTAYE GFLSVPRPSG
VRRGWQRVYA ALSDSRLLLF DAPDPRGSLA SGVLLQALDL RDPQFSATPV LAPDVIHAQS
KDLPRIFRVT ASQLTVPPTT CTVLLLAENE GERERWLQVL GELQRLLLLDA RPRPRPVYTL
KEYDNGLPL LPHALCAAVI DQERLALGTE EGLFVIHLHS NDIFQVGDOR RVQLAVSSA
AGLLAVLCGR GPSVRLFALD ELESÆVAGA KIPESRGCQA LVAGRILQAR TPVLCVAVKR
QVLCYQLGPG PGPWQRRIRE LQAPAPVQSL GLLGDRLCVG AAGTFALYPL LNEAAPLALG
TGLVAEELPA SRGGLGEALG AVELSSELL LLFATAGVYV DSAGRKSRSH ELLWPAAPTG
WGYTAPYLTV FSENALDVFD VRRÆWVQTV PLKKVRPLNP EGSLFLYGTE KVRLTYLRNP
LAEKDFDIP DLTDNSRRQL FRTKSKRRFF FRVSDLRQQ QRREMLKDPF VRSKFISPTT
NFNHLVHVGP TEGRPNTRDG TRAQEQKSRG ARSSGPQRPH SFSEAFRRPV STGSDGLPGE
TDPLVKRKPW TSLSSESVSC PQGSLSPAAS LIQVSRPRS LPPDPESESS P **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Product Details

Grade: custom-made

Target Details

Target: MRCKG (CDC42BPG)

Alternative Name: Cdc42bpg ([CDC42BPG Products](#))

Background: Serine/threonine-protein kinase MRCK gamma (EC 2.7.11.1) (CDC42-binding protein kinase gamma) (DMPK-like gamma) (Myotonic dystrophy kinase-related CDC42-binding kinase gamma) (MRCK gamma) (Myotonic dystrophy protein kinase-like gamma) (Myotonic dystrophy protein kinase-like alpha),FUNCTION: May act as a downstream effector of CDC42 in cytoskeletal reorganization. Contributes to the actomyosin contractility required for cell invasion, through the regulation of MYPT1 and thus MLC2 phosphorylation (By similarity). {ECO:0000250|UniProtKB:Q5VT25}.

Molecular Weight: 172.1 kDa

UniProt: [Q80UW5](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months