

Datasheet for ABIN7554612

MRCKG Protein (AA 1-1551) (His tag)



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Overview

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

Product Details

Purpose:	Custom-made recombinant CDC42BPG Protein expressed in mammalian cells.
Sequence:	MERRLRALEQ LARGEAGGCP GLDGLLDLLL ALHHELSSGP LRRERSVAQF LSWASPFVSK VKELRLQRDD FEILKVIGRG AFGEVTVVRQ RDTGQIFAMK MLHKWEMLKR AETACFREER DVLVKGDSRW VTTLHYAFQD EEYLYLVMDY YAGGDLLTLL SRFEDRLPPE LAQFYLAEMV LAIHSLHQLG YVHRDVKPDN VLLDVNGHIR LADFGSCLRL NTNGMVDSSV AVGTPDYISP EILQAMEEGK GHYGPQCDWW SLGVCA YELL FGETPFYAES LVETYGKIMN HEDHLQFPPD VPDVPASAQD LIRQLLCRQE ERLGRGGLDD FRNHPFFEGV DWERLASSTA PYIPELRGPM DTSNFDVDDD TLNHPGTLPP PSHGAFSGHH LPFVGFTYTS GSHSPESSE AWAALERKLQ CLEQEKVELS RKHQEALHAP TDHRELEQLR KEVQTLRDRL PEMLRDKASL SQTGPPAGS PGQDSDLRQE LDRLHRELAE GRAGLQAQEQ ELCRAQGQEQ ELLQLRQEAQ EREAATASQT RALSSQLEEA RAAQRELEAQ VSSLSRQVTQ LQGQWEQRLE ESSQAKTIHT ASETNGMGPP EGGPQEAQLR KEVAALREQL EQAHSHRPSG KEEALCQLQE ENRRLSREQE RLEAELAQEQ ESKQRLEGER RETESNWEAQ LADILSWVND EKVSRYGLQA LATKMAEELE SLRNVGTQTL

PARPLDHQWK ARRLQKMEAS ARLELQSALE AEIRAKQGLQ ERLTQVQEAQ LQAERRLQEA
EKQSQUALQQE LAMLREELRA RGPVDTKPSN SLIPFLSFRS SEKDSAKDPG ISGEATRHGG
EPDLRPEGRR SLRMGAVFPR APTANTASTE GLPAKPGSHT LRPRSFPSP KCLRCTSLML
GLGRQGLGCD ACGYFCHTTC APQAPPCPVP PDLLRTALGV HPETGTGTAY EGFLSVPRPS
GVRRGWQRVF AALSDSRLLL FDAPDLRLSP PSGALLQVLD LRDPQFSATP VLASDVIHAQ
SRDLPRIFRV TTSQ LAVPPT TCTVLLLAES EGERERWLQV LGELQRLLLD ARPRPRPVYT
LKEAYDNGLP LLPHTLCAAI LDQDRLALGT EEGLFVIHLR SNDIFQVGEC RRVQQLTLSP
SAGLLVLCG RGPSVRLFAL AELENIEVAG AKIPESRGCQ VLAAGSILQA RTPVLCVAVK
RQVLCYQLGP GPGPWQRRIR ELQAPATVQS LGLLGDRLCV GAAGGFALYP LLNEAAPLAL
GAGLVPEELP PSRGGLGEAL GAVELSLSEF LLLFTTAGIY VDGAGRKSRG HELLWPAAPM
GWGYAAPYLT VFSENSIDVF DVRRAEWVQT VPLKKVRPLN PEGSLFLYGT EKVRLTYLRN
QLAEKDEFDI PDLTDNSRRQ LFRTKSKRRF FFRVSEEQK QQRREMLKDP FVRSKLISPP
TNFNHLVHVG PANGRPGARD KSPAPEEKGR VARGSGPQRP HSFSEALRRP ASMGSEGLGG
DADPMKRKPW TSLSSESVSC PQGSLSPATS LMQVSRPRS LPLSPELESS 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) (MRCKG) (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, ECO:0000269 PubMed:15194684}.
Molecular Weight:	172.5 kDa
UniProt:	Q6DT37

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