

Datasheet for ABIN7554954

PLEKHG2 Protein (AA 1-1386) (His tag)



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Overview

Quantity:	1 mg
Target:	PLEKHG2
Protein Characteristics:	AA 1-1386
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLEKHG2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PLEKHG2 Protein expressed in mammalian cells.
Sequence:	MPEGAQGLSL SKPSPSLGCG RRGEVDCDGT VCETRTAPAA PTMASPRGSG SSTSLSTVGS EGDPAPGPTP ACSASRPEPL PGPPIRLHLS PVGIPGSARP SRLERVAREI VETERAYVRD LRSIVEDYLG PLLDGGVLGL SVEQVGTLFA NIEDIYEFSS ELLEDLENSS SAGGIAECFV QRSEDFDIYT LYCMNYPSSL ALLRELSLSP PAALWLQERQ AQLRHSLPLQ SFLLKPVQRI LKYHLLLQEL GKHWAEGPGT GGREMVEEAI VSMTAVAWYI NDMKRKQEHA ARLQEVQRRL GGWTGPELSA FGELVLEGAF RGGGGGGPRL RGGERLLFLF SRMLLVAKRR GLEYTYKGHI FCCNLSVSES PRDPLGFKVS DLTIPKHRHL LQAKNQEEKR LWIHCLQRLF FENHPASIPA KAKQVLLENS LHCAPKSKPV LEPLTPPLGS PRPRDARSFT PGRNTAPSP GPSVIRRGRR QSEPVKDPYV MFPQNAKPGF KHAGSEGELY PPESQPPVSG SAPPEDLEDA GPPTLDPSGT SITEEILELL NQRGLRDPGP STHDIPKFPD DSQVPGDSET LTFQALPSRD SEEEEEEEE GLEMDERGPS PLHVLEGLES SIAAEMPSIP CLTKIPDVNP LPEIPSRCEI PEGSRLPSLS

DISDVFEMPC LPAIPSVPNT PSLSSTPTLS CDSWLQGPLQ EPAEAPATRR ELFSGSNPGK
LGEPPSGGKA GPEEDEEGVS FTDFQPQDVT QHQGFPELA FRSCSEIRSA WQALEQGQLA
RPGFPEPLLI LEDSDLGGDS GSGKAGAPSS ERTASRVREL ARLYSERIQQ MQRAETRASA
NAPRRRPRVL AQPQPSPCLP QEQAEPGLLP AFGHVLVCEL AFPLTCAQES VPLGPAVWVQ
AAIPLSKQGG SPDGQGLHVS NLPKQDLPGI HVSAATLLPE QGGSRHVQAP AATPLPKQEG
PLHLQVPALT TFSDQGHPEI QVPATTPLPE HRSHMVIPAP STAFCEQGH CADIHVPTTP
ALPKEICSDF TVSVTTPVPK QEGHLDSESP TNIPLTKQGG SRDVQGPDPV CSQPIQPLSW
HGSSLDPQGP GDTLPPLPCH LPDLQIPGTS PLPAHGSHLD HRIPANAPLS LSQELPDTQV
PATTPLPLPQ VLTDIWVQAL PTSPKQGS LP DIQGPAAPP LPEPSLTDQ VQKLTPSLEQ
KSLIDAHVPA ATPLPERGGS LDIQGLSPTP VQTTMVLSKP GGS LASHVAR LESSDLTPPH
SPPPSSRQLL GPNAALSRY LAASYISQSL ARRQGPGGGA PAASRGSWSS APTSRASSPP
PQPQPPPPPA RRLSYATTVN IHVGGGGRLR PAKAQVRLNH PALLASTQES MGLHRAQGAP
DAPFHM **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

PLEKHG2

Target Details

Alternative Name:	PLEKHG2 (PLEKHG2 Products)
Background:	Pleckstrin homology domain-containing family G member 2 (PH domain-containing family G member 2),FUNCTION: May be a transforming oncogene with exchange activity for CDC42 (By similarity). May be a guanine-nucleotide exchange factor (GEF) for RAC1 and CDC42. Activated by the binding to subunits beta and gamma of the heterotrimeric guanine nucleotide-binding protein (G protein) (PubMed:18045877). Involved in the regulation of actin polymerization (PubMed:26573021). {ECO:0000250 UniProtKB:Q6KAU7, ECO:0000269 PubMed:18045877, ECO:0000269 PubMed:26573021}.
Molecular Weight:	148.0 kDa
UniProt:	Q9H7P9

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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