

Datasheet for ABIN7564052

PLEKHG2 Protein (AA 1-1340) (His tag)



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Overview

Quantity:	1 mg
Target:	PLEKHG2
Protein Characteristics:	AA 1-1340
Origin:	Mouse
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 mammalien cells.
Sequence:	<p>MPEGARGLSL PKPSLRLGCG HQGEVCDCAA VSDTPTAQAA TTMASPRGSG SSTSLSTVGS</p> <p>EGDPSPACSA SRPEPLPEPP IRLHLLPVG I QGSVKPSRLE RVAREIVETE RAYVRDLRSI</p> <p>VEDYLGPLMD GRALGLNMEQ VGTLFANIED IYEFSSELLE DLEGCS SAGG IAE CFVQRSE</p> <p>DFDIYTLYCM NYPSSLALLR ELSVSPPATL WLQERQAQLR HSLPLQS FLL KPVQRILKYH</p> <p>LLLQELGKHW AEGPDSSGGRE MVEEAIVSMT AVAWYINDMK RKQEHAARLQ EVQRRLGGWT</p> <p>GPESAFGEL VLEGTFRGGG GGGPRLRGGE RLLFLFSRML LVAKRRGPEY TYKGHIFCCN</p> <p>LSVSETPRDP LGFKVSDLT I PKHRHLFQAK NQEEKRLWIH CLQRLFFENH PASIPAKAKQ</p> <p>VLLENSLHCA PKSKHIPEPP TSPLDSPRPR DAPGFTPGRR NPAPSPRLSG SRRGRRQSEP</p> <p>AKEAYVIFPQ NDKPQVKHAG SEGELHPSSE LQPV SASGLP EDLEDAGPPT LDPSGTSITE</p> <p>EILELLNQRG LRDSGPATHD IPKFPRDSRV PVESELPFQ SLPSRESSEE EEEEDLETDE</p> <p>REPSPLHVLE GLEGSSAAEI PCIPSLTDIP SEVPSLPEIP EAPCLPCLSD ISGVFEVPCL SPTSTVPDIP</p>

SLATTPSFPC GSWLPGPLQE AAQPQATRRE LLSGSNPGRL SESPSESREG QEDDTGVVSF
SAVQREAGTS VQGFPEELEY RSCSEIRSAW QALEQQLAR PGFPEPLLIL ESDLRGGST
SGKTGMPHSE RSASRVRELA RLYSERIQQM QRAETRASTN APRRRRPRVLA QPQPSPCPPQ
EEAEPGALPA FGHVLVCELA FPLNCTQESV PLGPAVLVQA ATPLCIQGDD LSGQNLNVSD
LSKQGHSSN SIPPPVPLPG QSNFQNIQVP STSLLPKQEP PDVQVPTAST LPDTSQLQSQ
VPAATPSAGH RNCVEIQVQS TTS LPGQECQ ADTVALSKQE GHEDSQNPKNK APGAEQRDVS
IDQGLAVVGG RPPVSPLPVCT SSPDQQIPAT TPLPLSTDFP DMEGPGALPL PTQEGRPDCS
IPCNPPLSLS QDVQVPAVIP VSQ LQGLTDT RATVPLSSHK QEDAPECLGP EPSLTDTPAP
RLSSLGQQN TTDGPVSAVA VPLTEQGCSQ DLQGLITSPV QTTMELPKPR GLVSRVATSE
SLDLTPPHSP SLSTRQLLGP SAAALSRyla ASYISQSLAR RQPGGGEGTV ASQGHWSSSA
PTSRAPSPPP QPQPAPPAR RLSYATTvSI QVG GGGRLRP AKAQVRLNHP ALLAAPHPGA
VGPSQGP GGS **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	PLEKHG2
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Target Details

Alternative Name:	Plekhg2 (PLEKHG2 Products)
Background:	Pleckstrin homology domain-containing family G member 2 (PH domain-containing family G member 2) (Common site lymphoma/leukemia guanine nucleotide exchange factor) (Common site lymphoma/leukemia GEF),FUNCTION: May be a transforming oncogene with exchange activity for CDC42. May be a guanine-nucleotide exchange factor (GEF) for RAC1 and CDC42 (PubMed:11839748). Activated by the binding to subunits beta and gamma of the heterotrimeric guanine nucleotide-binding protein (G protein) (By similarity). Involved in the regulation of actin polymerization (By similarity). {ECO:0000250 UniProtKB:Q9H7P9, ECO:0000269 PubMed:11839748}.
Molecular Weight:	143.4 kDa
UniProt:	Q6KAU7

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