

Datasheet for ABIN7564685
PLEKHG6 Protein (AA 1-787) (His tag)



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Overview

Quantity:	1 mg
Target:	PLEKHG6
Protein Characteristics:	AA 1-787
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLEKHG6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Plekhg6 Protein expressed in mammalian cells.
Sequence:	<p>MQAFGPPNEG PLQGLVASRI ETYGGRHQTS AHSTAGNLFP RGGPGVDPSR RRLQHYPVFA KSGSQTRGMS PLVLRPDPE KRHGSYFGVG PPHSPKLKEV TRACHELEIRL HTFSMFGMPR LPPEDRRHWE IGEGDSALT MEKSWKELVL EHKEMNRQLC HQQEALWELL TTELIYLRKL KIMTDLLAAG LLNLQRVGLL TEVSAETLFG NVPNLIRahr RFWEEVLQPI LEDTRTSGQP LDPVSLQNGF LTFGQRFQPY VQYCLRVKQT MAYAREQQDT NPLFHTFVQW CEKHKRSGRQ TLGDLLIKPH QRITKYPLLL QAVRKRSPER RAQEALNAMI EAVESFLRHI NGQVRQGEEQ ESLMAVAQRI GPYEVLEPSS EEVEKNLRPF STLDLMTPLV GVAPEYTRQL LLEGPVRVKE GREGKMDVYL FLFSDVLLVT KPQRKADRAK VIRPPLMLEK LVCRLRDPN SFLLIHLTEF QCVSSALTVH CPSSTERARW LEKTQHAQTT LQKLGEEYI QKRELLALY RNQGTESPST RPSTPSPSPE DSQSSAEGRT LEFAIIPRLV VTEDTDEDTP SMPDDASDSG YGTLIPSSPK DSHSPLNRLR SKALRRDPRL TFSTLELRDV PLRPQPPDPQ APQRRSAPEL PEGILRGGSL PRRAPPIWSE EEDETLASGN VVETLHRAQ RRSPLPHSPT HTDSAGESPW ESSDEDEGLL</p>

Product Details

SPELRPRSLR EDMLREIREE LANQRIDGAS EPEPGNGKPR RLTLAQLQRM RVPHIIQLDT PLSTSEV

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)

Grade: custom-made

Target Details

Target: PLEKHG6

Alternative Name: Plekhg6 ([PLEKHG6 Products](#))

Background: Pleckstrin homology domain-containing family G member 6 (PH domain-containing family G member 6),FUNCTION: Guanine nucleotide exchange factor activating the small GTPase RHOA, which, in turn, induces myosin filament formation. Also activates RHOG. Does not activate RAC1, or to a much lower extent than RHOA and RHOG. Part of a functional unit, involving PLEKHG6, MYH10 and RHOA, at the cleavage furrow to advance furrow ingression during cytokinesis. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with EZR, required for normal macropinocytosis (By similarity).

Target Details

{ECO:0000250}.

Molecular Weight: 89.1 kDa

UniProt: [Q8R0J1](#)

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