

Datasheet for ABIN7555007

**PLEKHG6 Protein (AA 1-790) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	PLEKHG6
Protein Characteristics:	AA 1-790
Origin:	Human
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:	MKAFGPPHEG PLQGLVASRI ETYGGRHRAS AQSTAGRLYP RGYVLDPSR RRLQQYVPFA RSGSQARGLS PMRLRDPEPE KRHGGHVGAG LLHSPKLEL TKAHELEVRL HTFSMFGMPR LPPEDRRHWE IGEAGDGLT IEKSWRELVP GHKEMSQLC HQEALWELL TTELIYVRKL KIMTDLLAAG LLNLQRVGLL MEVSAETLFG NVPSLIRTHR SFWDEVLGPT LEETRASGQP LDPIGLQSGF LTFGQRFHPY VQYCLRKQT MAYAREQQET NPLFHAFVQW CEKHKRSGRQ MLCDLLIKPH QRITKYPLLL HAVLKRSPA RAQALNAMI EAVESFLRHI NGQVRQGEQ ESLAAAQRI GPYEVLEPPS DEVEKNLRPF STLDLTSPML GVASEHTRQL LLEGVVRVKE GREGKLDVYL FLFSDVLLVT KPQRKADKAK VIRPPLMLEK LVCQPLRDPN SFLLIHLTEF QCVSSALLVH CPSPTDRAQW LEKTQQAQAA LQKLKAEYV QQKRELLTLY RDQDRESPST RPSTPSLEGS QSSAEGRTPE FSTIIPHLV TEDTDEDAPL VPDDTSDSGY GTLIPGTPTG SRSPSRLRQ RALRRDPRLT FSTLELRDIP LRPHPPDPQA PQRSAPELP EGILKGGSLP QEDPPTWSEE EDGASERGNV VVETLHRARL RGQLPSSPTH ADSAGESPWE SSGEEEEEGP

## Product Details

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LFLKAGHTSL RPMRAEDMLR EIREELASQR IEGAEPRDS RPRKLTRAQL QRMRGPHIIQ

LDTPLSASEV **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.**

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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.

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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.

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

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Grade: custom-made

## Target Details

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Target: PLEKHG6

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

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Background: Pleckstrin homology domain-containing family G member 6 (PH domain-containing family G member 6) (Myosin-interacting guanine nucleotide exchange factor) (MyoGEF),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

## Target Details

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EZR, required for normal macropinocytosis. {ECO:0000269|PubMed:16721066, ECO:0000269|PubMed:17881735}.

Molecular Weight: 89.0 kDa

UniProt: [Q3KR16](#)

## Application Details

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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

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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