

Datasheet for ABIN7554953

## PLEKHA7 Protein (AA 1-1121) (His tag)



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### Overview

Quantity:	1 mg
Target:	PLEKHA7
Protein Characteristics:	AA 1-1121
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLEKHA7 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant PLEKHA7 Protein expressed in mammalian cells.
Sequence:	<p>MAAATVGRDT LPEHWSYGVC RDGRVFFIND QLRCTTWLHP RTGEPVNNGH MIRSDLPRGW</p> <p>EEGFTEEGAS YFIDHNQQT AFRHPVTGQF SPENSEFILQ EEPNPHMSKQ DRNQRPSMV</p> <p>SETSTAGTAS TLEAKPGPKI IKSSSKVHSF GKRQDAIRRN PNPVWVRGW LHKQDSSGMR</p> <p>LWKRRWFVLA DYCLFYKDS REEAVLGSIP LPSYVISPA PEDRISRKYS FKAHTGMRA</p> <p>LIYNSSTAGS QAEQSGMRTY YFSADTQEDM NAWVRAMNQA AQVLSRSSLK RDMEKVERQA</p> <p>VPQANHTESC HECGRVGPQH TRDCPHRGHD DIVNFERQEQ EGEQYRSQRD PLEGKRDRSK</p> <p>ARSPYSPAE DALFMDLPTG PRGQQAQQR AEKNGMLPAS YGPGEQNGTG GYQRAFPRT</p> <p>NPEKHSQRKS NLAQVEHWAR AQKGDSRSLP LDQTLPRQGP GQSLSPENY QTLPKSTRHP</p> <p>SGGSSPPPRN LPSDYKYAQD RASHLKMSSE ERRHRDGTW WQLYEWQQRQ QFRHGSPTAP</p> <p>ICLGSPEFTD QGRSRSMLEV PRSISVPPSP SDIPPPGPPR VFPPRRPHTP AERTVTKPPD</p> <p>QRRSVDISLG DSPRRARGHA VKNSSHVDRR SMPSPMGYMTV TVSAPSLHGK SADDTYLQLK</p> <p>KDLEYLDLKM TGRDLLKDRS LKPKVIAESD TDVKLSIFCE QDRVLQDLED KIRALKENKD</p>

QLESVLEVLH RQMEQYRDQP QHLEKIAYQQ KLLQEDLVHI RAELSRESTE MENAWNEYLK  
LENDVEQLKQ TLQEQHRRAF FFQEKSIQK DLWRIEDVTA GLSANKENFR ILVESVKNPE  
RKTVP LFPHP PVPSLSTSES KPPPQSPPT SPVRTPLEVR LFPQLQTYVP YRPHPPQLRK  
VTSP LQSPTK AKPKVEDEAP PRPPLPELYS PEDQPPAVPP LPREATIIRH TSVRGLKRQS  
DERKRDRELG QCVNGDSRVE LRSYVSEPEL ATLSGDMAQP SLGLVGPESR YQTLPGRGLS  
GSTSRLQSS TIAPYVTLRR GLNAESSKAT FPRPKSALER LYSGDHQRGK MSAEEQLERM  
KRHQKALVRE RKRTLGGQGER TGLPSSRYLS RPLPGDLGSV C **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:** PLEKHA7

**Alternative Name:** PLEKHA7 ([PLEKHA7 Products](#))

**Background:** Pleckstrin homology domain-containing family A member 7 (PH domain-containing family A

## Target Details

member 7),FUNCTION: Required for zonula adherens biogenesis and maintenance (PubMed:19041755). Acts via its interaction with CAMSAP3, which anchors microtubules at their minus-ends to zonula adherens, leading to the recruitment of KIFC3 kinesin to the junctional site (PubMed:19041755). Mediates docking of ADAM10 to zonula adherens through a PDZD11-dependent interaction with the ADAM10-binding protein TSPAN33 (PubMed:30463011). {ECO:0000269|PubMed:19041755, ECO:0000269|PubMed:30463011}.

Molecular Weight: 127.1 kDa

UniProt: [Q6IQ23](#)

Pathways: [Cell-Cell Junction Organization](#)

## 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