

Datasheet for ABIN7563726

PLEKHA7 Protein (AA 1-1118) (His tag)



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Overview

Quantity:	1 mg
Target:	PLEKHA7
Protein Characteristics:	AA 1-1118
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLEKHA7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Plekha7 Protein expressed in mammalien cells.
Sequence:	<p>MAAAVGRDTL PEHWSYGVCR DGRVFFINDQ LRCTTWLHPR TGEPVNSGHM IRSDLPRGWE</p> <p>EGFTEEGASF FIDHNQQTTF FRHPVTGQFS SENSEYVLRE EPHPHMSKPE RNQRPSSMVS</p> <p>ETSTAGTTST LEAKPGPKIV KSSSKVHSFG KRDQAIRRL NVPVVVRGWL HKQDSSGMRL</p> <p>WKRRWFVLAD YCLFYKDSR EEAVLGSIP PSYVISPVAP EDRI SRKYSF KAVHTGMRAL</p> <p>IYSTTTAGSQ MEHSGMRTYY FSADTLED MN AWVRAMNQAA QVLSRSSLRR DVDKVERQAM</p> <p>PQANHTDACQ ECGHVGP GHS RDCPRRGYED SYGFNRREQE EERFRAQRDP LEGRDRSKA</p> <p>RSPYLP AEED ALFVDLP GGP RGQQAQPQRA EKNGVPPYGL GEQNGTNGYQ RTAPPRANPE</p> <p>KHSQRKTGLA QAEHWTKAQK GDGRSLPLDQ TLPRQGSPQ LSPFENYQSL PKSTRHLSGS</p> <p>SSPPPRNLPS DYKYAQDRAS HLKMSSEERR AHRDGT VWQL YEWQQRQQFR HGSPTAPIGA</p> <p>GSPEFTEQGR SRSLLVPRS ISVPPSPSDI PPPGPPRPFP PRRPHTPAER VTKVPPEQRR</p> <p>SVDISLGGSP RKARGHAAKN SSHVDRRSMP SMGYMTHTVS APSLHGKSAD DTYLQLKKDL</p>

EYLDLKMTGR DLLKDRSLKP MKIAESDIDV KLSIFCEQDR ILQDLEDKIR ALKENKDQLE
SVLEVLHRQT EQYRDQPQHL EKITCQQRLL QEDLVHIRAE LCRESTEMEN AWNEYLKLEK
DVEQLKQTLQ EQHRRAFFEQ EKSQIQKDLW RIEDVMAGLS ANKENYRVLV GSVKNPERKT
VPLFPHPSVP SLSPTESKPA LQSPPTSPV RTPLEVRLFP QLQTYVPYRP HPPQLRKVMS
PLQSPTKAKP QAEDEAPPRP PLPELYSPED QPPAVPPLPR EATIIRHTSV RGLKRQSDER
KRDREQGQCV NGDLKVELRS YVSEPELASL SGDVPQPSLS LVGSESRYQT LPGRGLSGST
SRLQQSSTIA PYVTLRRGLN AENSSATFSR PKSALERLYS GDHQRGKMSA EEQLERMKRH
QKALVRERKR TLSQGEKTGL LSARYLSQPL PGDLGSVC

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
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Grade:	custom-made
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Target Details

Target:	PLEKHA7
Alternative Name:	Plekha7 (PLEKHA7 Products)
Background:	Pleckstrin homology domain-containing family A member 7 (PH domain-containing family A member 7) (Heart adapter protein 1),FUNCTION: Required for zonula adherens biogenesis and

Target Details

maintenance. 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 (By similarity). Mediates docking of ADAM10 to zonula adherens through a PDZD11-dependent interaction with the ADAM10-binding protein TSPAN33 (PubMed:30463011). {ECO:0000250|UniProtKB:Q6LIQ23, ECO:0000269|PubMed:30463011}.

Molecular Weight: 126.7 kDa

UniProt: [Q3UIL6](#)

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

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