Datasheet for ABIN7552138

AKNA Protein (AA 1-1439) (His tag)

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Overview

Quantity:	1 mg
Target:	AKNA
Protein Characteristics:	AA 1-1439
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKNA protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant AKNA Protein expressed in mammalian cells.
Sequence:	MASSETEIRW AEPGLGKGPQ RRRWAWAEDK RDVDRSSSQS WEEERLFPNA TSPELLEDFR LAQQHLPPLE WDPHPQPDGH QDSESGETSG EEAEAEDVDS PASSHEPLAW LPQQGRQLDM TEEEPDGTLG SLEVEEAGES SSRLGYEAGL SLEGHGNTSP MALGHGQARG WVASGEQASG DKLSEHSEVN PSVELSPARS WSSGTVSLDH PSDSLDSTWE GETDGPQPTA LAETLPEGPS HHLLSPDGRT GGSVARATPM EFQDSSAPPA QSPQHATDRW RRETTRFFCP QPKEHIWKQT KTSPKPLPSR FIGSISPLNP QPRPTRQGRP LPRQGATLAG RSSSNAPKYG RGQLNYPLPD FSKVGPRVRF PKDESYRPPK SRSHNRKPQA PARPLIFKSP AEIVQEVLLS SGEAALAKDT PPAHPITRVP QEFQTPEQAT ELVHQLQEDY HRLLTKYAEA ENTIDQLRLG AKVNLFSDPP QPNHSIHTGM VPQGTKVLSF TIPQPRSAEW WPGPAEDPQA SAASGWPSAR GDLSPSSLTS MPTLGWLPEN RDISEDQSSA EQTQALASQA SQFLAKVESF ERLIQAGRLM PQDQVKGFQR LKAAHAALEE EYLKACREQH PAQPLAGSKG TPGRFDPRRE LEAEIYRLGS CLEELKEHID QTQQEPEPPG SDSALDSTPA LPCLHQPTHL PAPSGQAPMP AIKTSCPEPA TTTAAASTGP

	CPLHVNVEVS SGNSEVEDRP QDPLARLRHK ELQMEQVYHG LMERYLSVKS LPEAMRMEEE EEGEEEEEEE GGGDSLEVDG VAATPGKAEA TRVLPRQCPV QAEKSHGAPL EEATEKMVSM KPPGFQASLA RDGHMSGLGK AEAAPPGPGV PPHPPGTKSA ASHQSSMTSL EGSGISERLP QKPLHRGGGP HLEETWMASP ETDSGFVGSE TSRVSPLTQT PEHRLSHIST AGTLAQPFAA SVPRDGASYP KARGSLIPRR ATEPSTPRSQ AQRYLSSPSG PLRQRAPNFS LERTLAAEMA VPGSEFEGHK RISEQPLPNK TISPPPAPAP AAAPLPCGPT ETIPSFLLTR AGRDQAICEL QEEVSRLRLR LEDSLHQPLQ GSPTRPASAF DRPARTRGRP ADSPATWGSH YGSKSTERLP GEPRGEEQIV PPGRQRARSS SVPREVLRLS LSSESELPSL PLFSEKSKTT KDSPQAARDG KRGVGSAGWP DRVTFRGQYT GHEYHVLSPK AVPKGNGTVS CPHCRPIRTQ DAGGAVTGDP LGPPPADTLQ CPLCGQVGSP PEADGPGSAT SGAEKATTRR KASSTPSPKQ RSKQAGSSPR PPPGLWYLAT APPAPAPPAF AYISSVPIMP YPPAAVYYAP AGPTSAQPAA KWPPTASPPP ARRHRHSIQL DLGDLEELNK ALSRAVQAAE SVRSTTRQMR SSLSADLRQA HSLRGSCLF **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:	AKNA
Alternative Name:	AKNA (AKNA Products)
Background:	Microtubule organization protein AKNA (AT-hook-containing transcription factor),FUNCTION: Centrosomal protein that plays a key role in cell delamination by regulating microtubule organization (By similarity). Required for the delamination and retention of neural stem cells from the subventricular zone during neurogenesis (By similarity). Also regulates the epithelial-to-mesenchymal transition in other epithelial cells (By similarity). Acts by increasing centrosomal microtubule nucleation and recruiting nucleation factors and minus-end stabilizers, thereby destabilizing microtubules at the adherens junctions and mediating constriction of the apical endfoot (By similarity). In addition, may also act as a transcription factor that specifically activates the expression of the CD40 receptor and its ligand CD40L/CD154, two cell surface molecules on lymphocytes that are critical for antigen-dependent-B-cell development (PubMed:11268217). Binds to A/T-rich promoters (PubMed:11268217). It is unclear how it can both act as a microtubule organizer and as a transcription factor, additional evidences are required to reconcile these two apparently contradictory functions (Probable). {ECO:0000250|UniProtKB:Q80VW7, ECO:0000269|PubMed:11268217, ECO:0000305}.
Molecular Weight:	155.1 kDa
UniProt:	Q7Z591

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.

Handling

Expiry Date:	12 months