Datasheet for ABIN7552078

AJUBA Protein (AA 1-538) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	AJUBA
Protein Characteristics:	AA 1-538
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AJUBA protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat AJUBA Protein expressed in mammalien cells.
Sequence:	MERLGEKASR LLEKFGRRKG ESSRSGSDGT PGPGKGRLSG LGGPRKSGPR GATGGPGDEP LEPAREQGSL DAERNQRGSF EAPRYEGSFP AGPPPTRALP LPQSLPPDFR LEPTAPALSP RSSFASSSAS DASKPSSPRG SLLLDGAGAG GAGGSRPCSN RTSGISMGYD QRHGSPLPAG PCLFGPPLAG APAGYSPGGV PSAYPELHAA LDRLYAQRPA GFGCQESRHS YPPALGSPGA LAGAGVGAAG PLERRGAQPG RHSVTGYGDC AVGARYQDEL TALLRLTVGT GGREAGARGE PSGIEPSGLE EPPGPFVPEA ARARMREPEA REDYFGTCIK CNKGIYGQSN ACQALDSLYH TQCFVCCSCG RTLRCKAFYS VNGSVYCEED YLFSGFQEAA EKCCVCGHLI LEKILQAMGK SYHPGCFRCI VCNKCLDGIP FTVDFSNQVY CVTDYHKNYA PKCAACGQPI LPSEGCEDIV RVISMDRDYH FECYHCEDCR MQLSDEEGCC CFPLDGHLLC HGCHMQRLNA RQPPANYI **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.**

Product Details

	In case you have a special request, please contact us.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	AJUBA
Alternative Name:	AJUBA (AJUBA Products)
Background:	LIM domain-containing protein ajuba,FUNCTION: Adapter or scaffold protein which participates in the assembly of numerous protein complexes and is involved in several cellular processes such as cell fate determination, cytoskeletal organization, repression of gene transcription, mitosis, cell-cell adhesion, cell differentiation, proliferation and migration. Contributes to the linking and/or strengthening of epithelia cell-cell junctions in part by linking adhesive receptors to the actin cytoskeleton. May be involved in signal transduction from cell adhesion sites to the nucleus. Plays an important role in regulation of the kinase activity of AURKA for mitotic commitment. Also a component of the IL-1 signaling pathway modulating IL-1-induced NFKB1 activation by influencing the assembly and activity of the PRKCZ-SQSTM1-TRAF6 multiprotein signaling complex. Functions as an HDAC-dependent corepressor for a subset of GFI1 target genes. Acts as a transcriptional corepressor for SNAI1 and SNAI2/SLUG-dependent repression of E-cadherin transcription. Acts as a hypoxic regulator by bridging an association between the

Target Details

	prolyl hydroxylases and VHL enabling efficient degradation of HIF1A. Positively regulates microRNA (miRNA)-mediated gene silencing. Negatively regulates the Hippo signaling pathway and antagonizes phosphorylation of YAP1. {ECO:0000269|PubMed:12417594, ECO:0000269|PubMed:13678582, ECO:0000269|PubMed:15870274, ECO:0000269|PubMed:16413547, ECO:0000269|PubMed:17909014, ECO:0000269|PubMed:18805794, ECO:0000269|PubMed:20303269, ECO:0000269|PubMed:20616046, ECO:0000269|PubMed:22286099}.
Molecular Weight:	56.9 kDa
UniProt:	Q96IF1
Pathways:	Chromatin Binding, 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