Datasheet for ABIN7552352

ARIH1 Protein (AA 1-557) (His tag)

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Overview

Quantity:	1 mg
Target:	ARIH1
Protein Characteristics:	AA 1-557
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARIH1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ARIH1 Protein expressed in mammalien cells.
Sequence:	MDSDEGYNYE FDEDEECSEE DSGAEEEEDE DDDEPDDDTL DLGEVELVEP GLGVGGERDG LLCGETGGGG GSALGPGGGG GGGGGGGGGG PGHEQEEDYR YEVLTAEQIL QHMVECIREV NEVIQNPATI TRILLSHFNW DKEKLMERYF DGNLEKLFAE CHVINPSKKS RTRQMNTRSS AQDMPCQICY LNYPNSYFTG LECGHKFCMQ CWSEYLTTKI MEEGMGQTIS CPAHGCDILV DDNTVMRLIT DSKVKLKYQH LITNSFVECN RLLKWCPAPD CHHVVKVQYP DAKPVRCKCG RQFCFNCGEN WHDPVKCKWL KKWIKKCDDD SETSNWIAAN TKECPKCHVT IEKDGGCNHM VCRNQNCKAE FCWVCLGPWE PHGSAWYNCN RYNEDDAKAA RDAQERSRAA LQRYLFYCNR YMNHMQSLRF EHKLYAQVKQ KMEEMQQHNM SWIEVQFLKK AVDVLCQCRA TLMYTYVFAF YLKKNNQSII FENNQADLEN ATEVLSGYLE RDISQDSLQD IKQKVQDKYR YCESRRRVLL QHVHEGYEKD LWEYIED **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make**

Product Details

	another tag necessary. 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:	ARIH1
Alternative Name:	ARIH1 (ARIH1 Products)
Background:	E3 ubiquitin-protein ligase ARIH1 (EC 2.3.2.31) (H7-AP2) (HHARI) (Monocyte protein 6) (MOP-6) (Protein ariadne-1 homolog) (ARI-1) (UbcH7-binding protein) (UbcM4-interacting protein) (Ubiquitin-conjugating enzyme E2-binding protein 1),FUNCTION: E3 ubiquitin-protein ligase, which catalyzes ubiquitination of target proteins together with ubiquitin-conjugating enzyme E2 UBE2L3 (PubMed:15236971, PubMed:21532592, PubMed:24076655, PubMed:27565346, PubMed:23707686). Acts as an atypical E3 ubiquitin-protein ligase by working together with cullin-RING ubiquitin ligase (CRL) complexes and initiating ubiquitination of CRL substrates: associates with CRL complexes and specifically mediates addition of the first ubiquitin on CRLs targets (PubMed:27565346). The initial ubiquitin is then elongated by CDC34/UBE2R1 and UBE2R2 (PubMed:27565346). E3 ubiquitin-protein ligase activity is activated upon binding to neddylated cullin-RING ubiquitin ligase complexes (PubMed:24076655, PubMed:27565346). Plays a role in protein translation in response to DNA damage by mediating ubiquitination of

Target Details

	EIF4E2, the consequences of EIF4E2 ubiquitination are however unclear (PubMed:25624349). According to a report, EIF4E2 ubiquitination leads to promote EIF4E2 cap-binding and protein translation arrest (PubMed:25624349). According to another report EIF4E2 ubiquitination leads to its subsequent degradation (PubMed:14623119). Acts as the ligase involved in ISGylation of EIF4E2 (PubMed:17289916). In vitro, controls the degradation of the LINC (LInker of Nucleoskeleton and Cytoskeleton) complex member SUN2 and may therefore have a role in the formation and localization of the LINC complex, and as a consequence, nuclear subcellular localization and nuclear morphology (PubMed:29689197). {ECO:0000269|PubMed:14623119, ECO:0000269|PubMed:15236971, ECO:0000269|PubMed:17289916, ECO:0000269|PubMed:21532592, ECO:0000269|PubMed:23707686, ECO:0000269|PubMed:24076655, ECO:0000269|PubMed:25624349, ECO:0000269|PubMed:27565346, ECO:0000269|PubMed:29689197}.
Molecular Weight:	64.1 kDa
UniProt:	Q9Y4X5

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