Datasheet for ABIN7559437

ASB2 Protein (AA 1-634) (His tag)

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Overview

Quantity:	1 mg
Target:	ASB2
Protein Characteristics:	AA 1-634
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASB2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Asb2 Protein expressed in mammalian cells.
Sequence:	MATEISTRGR QRAIGHEEYS LYSSLSEEEL LQMAIEQSLA DKTRGPTPAE ASASSQTNHQ PGHFHPWTRS PSSPENPPAR APLGLFQGVM QKYSSNLFKT SQMAAMDPVL KAIKEGDEEA LKIMIQDGKN LAEPNKEGWL PLHEAAYYGQ LGCLKVLQQA YPGTIDQRTL QEETALYLAT CREHLDCLLS LLQAGAEPDI SNKSRETPLY KACERKNAEA VRILVRYNAD ANHRCNRGWT ALHESVSRND LEVMEILVSG GAKVEAKNVY SITPLFVAAQ SGQLEALRFL AKHGADINTQ ASDSASALYE ASKNEHEDVV EFLLSQGADA NKANKDGLLP LHVASKKGNY RIVQMLLPVT SRTRVRRSGI SPLHLAAERN HDAVLEALLA ARFDVNAPLA PERARLYEDR RSSALYFAVV NNNVYATELL LLAGADPNRD VISPLLVAIR HGCLRTMQLL LDHGANIDAY IATHPTAFPA TIMFAMKCLS LLKFLMDLGC DGEPCFSCLY GNGPHPPAPR PGRFHDAPVD DKAPSVVQFC EFLSAPEVSR WAGPIIDVLL DYVGNVQLCS RLKEHIDSFE DWAVIKEKAE PPRPLAHLCR LRVRKAIGKY RIKLLDTLPL PGRLIRYLKY ENTQ **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity**

Product Details

	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:	ASB2
Alternative Name:	Asb2 (ASB2 Products)
Background:	Ankyrin repeat and SOCS box protein 2 (ASB-2),FUNCTION: Substrate-recognition component of a SCF-like ECS (Elongin-Cullin-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity). Mediates Notch-induced ubiquitination and degradation of substrates including TCF3/E2A and JAK2 (By similarity). Required during embryonic heart development for complete heart looping (PubMed:32179481). Required for cardiomyocyte differentiation (By similarity). {ECO:0000250|UniProtKB:Q96Q27, ECO:0000269|PubMed:32179481}., FUNCTION: [Isoform 1]: Involved in myogenic differentiation and targets filamin FLNB for proteasomal degradation but not filamin FLNA (PubMed:26343497). Also targets DES for proteasomal

Target Details

	degradation (PubMed:26343497). Acts as a negative regulator of skeletal muscle mass (PubMed:27182554). {ECO:0000269|PubMed:26343497, ECO:0000269|PubMed:27182554}., FUNCTION: [Isoform 2]: Targets filamins FLNA and FLNB for proteasomal degradation (PubMed:23632887). This leads to enhanced adhesion of hematopoietic cells to fibronectin (By similarity). Required for FLNA degradation in immature cardiomyocytes which is necessary for actin cytoskeleton remodeling, leading to proper organization of myofibrils and function of mature cardiomyocytes (PubMed:29374072). Required for degradation of FLNA and FLNB in immature dendritic cells (DC) which enhances immature DC migration by promoting DC podosome formation and DC-mediated degradation of the extracellular matrix (PubMed:23632887). Does not promote proteasomal degradation of tyrosine-protein kinases JAK1 or JAK2 in hematopoietic cells (By similarity). {ECO:0000250|UniProtKB:Q96Q27, ECO:0000269|PubMed:23632887, ECO:0000269|PubMed:29374072}.
Molecular Weight:	70.2 kDa
UniProt:	Q8K0L0

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