Datasheet for ABIN7552470

ASAP1 Protein (AA 1-1129) (His tag)

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Overview

Quantity:	1 mg
Target:	ASAP1
Protein Characteristics:	AA 1-1129
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASAP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ASAP1 Protein expressed in mammalian cells.
Sequence:	MRSSASRLSS FSSRDSLWNR MPDQISVSEF IAETTEDYNS PTTSSFTTRL HNCRNTVTLL EEALDQDRTA LQKVKKSVKA IYNSGQDHVQ NEENYAQVLD KFGSNFLSRD NPDLGTAFVK FSTLTKELST LLKNLLQGLS HNVIFTLDSL LKGDLKGVKG DLKKPFDKAW KDYETKFTKI EKEKREHAKQ HGMIRTEITG AEIAEEMEKE RRLFQLQMCE YLIKVNEIKT KKGVDLLQNL IKYYHAQCNF FQDGLKTADK LKQYIEKLAA DLYNIKQTQD EEKKQLTALR DLIKSSLQLD QKEDSQSRQG GYSMHQLQGN KEYGSEKKGY LLKKSDGIRK VWQRRKCSVK NGILTISHAT SNRQPAKLNL LTCQVKPNAE DKKSFDLISH NRTYHFQAED EQDYVAWISV LTNSKEEALT MAFRGEQSAG ENSLEDLTKA IIEDVQRLPG NDICCDCGSS EPTWLSTNLG ILTCIECSGI HREMGVHISR IQSLELDKLG TSELLLAKNV GNNSFNDIME ANLPSPSPKP TPSSDMTVRK EYITAKYVDH RFSRKTCSTS SAKLNELLEA IKSRDLLALI QVYAEGVELM EPLLEPGQEL GETALHLAVR TADQTSLHLV DFLVQNCGNL DKQTALGNTV LHYCSMYSKP ECLKLLLRSK PTVDIVNQAG ETALDIAKRL KATQCEDLLS QAKSGKFNPH VHVEYEWNLR QEEIDESDDD

Product Details

	LDDKPSPIKK ERSPRPQSFC HSSSISPQDK LALPGFSTPR DKQRLSYGAF TNQIFVSTST DSPTSPTTEA PPLPPRNAGK GPTGPPSTLP LSTQTSSGSS TLSKKRPPPP PPGHKRTLSD PPSPLPHGPP NKGAVPWGND GGPSSSSKTT NKFEGLSQQS STSSAKTALG PRVLPKLPQK VALRKTDHLS LDKATIPPEI FQKSSQLAEL PQKPPPGDLP PKPTELAPKP QIGDLPPKPG ELPPKPQLGD LPPKPQLSDL PPKPQMKDLP PKPQLGDLLA KSQTGDVSPK AQQPSEVTLK SHPLDLSPNV QSRDAIQKQA SEDSNDLTPT LPETPVPLPR KINTGKNKVR RVKTIYDCQA DNDDELTFIE GEVIIVTGEE DQEWWIGHIE GQPERKGVFP VSFVHILSD **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:	ASAP1
Alternative Name:	ASAP1 (ASAP1 Products)
Background:	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1 (130 kDa

Target Details

	phosphatidylinositol 4,5-bisphosphate-dependent ARF1 GTPase-activating protein) (ADP-ribosylation factor-directed GTPase-activating protein 1) (ARF GTPase-activating protein 1) (Development and differentiation-enhancing factor 1) (DEF-1) (Differentiation-enhancing factor 1) (PIP2-dependent ARF1 GAP),FUNCTION: Possesses phosphatidylinositol 4,5-bisphosphate-dependent GTPase-activating protein activity for ARF1 (ADP ribosylation factor 1) and ARF5 and a lesser activity towards ARF6. May coordinate membrane trafficking with cell growth or actin cytoskeleton remodeling by binding to both SRC and PIP2. May function as a signal transduction protein involved in the differentiation of fibroblasts into adipocytes and possibly other cell types. Part of the ciliary targeting complex containing Rab11, ASAP1, Rabin8/RAB3IP, RAB11FIP3 and ARF4, which direct preciliary vesicle trafficking to mother centriole and ciliogenesis initiation (PubMed:25673879). {ECO:0000250, ECO:0000269|PubMed:20393563, ECO:0000269|PubMed:25673879}.
Molecular Weight:	125.5 kDa
UniProt:	Q9ULH1

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