

Datasheet for ABIN7565139

ASAP1 Protein (AA 1-1147) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ASAP1
Protein Characteristics:	AA 1-1147
Origin:	Mouse
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 HNCRNVTLL EEALDQDRTA LQKVKKS VKA IYNSGQDHVQ NEENYAQVLD KFGSNFLSRD NPD LGTAFVK FSTLTKE LST LLKNLLQGLS HNVIFTLDL S LKGD LKGVKG DLK KPFDKAW KDYETKFTKI EKEKREHAKQ HGMIRTEITG AEIAEEMEKE RRLFQLQMCE YLIKVNEIKT KKGVDLLQNL IKYYHAQC NF FQDGLKTADK LKQYIEKLAA DLYNIKQTQD EEK KQLTALR DLIKSSLQLD PKEVGGLYVA SRANSSRRDS QSRQGGYS MH QLQGNKEYGS EKKGFLKKS DGIRKVVQRR KCAVKN GILT ISHATSNRQP AKL NLLTCQV KPNAEDKKS F DLISHNR TYH FQAEDEQDYI AWISVL TNSK EEAL TMAFRG EQSTGENSLE DLTKAIEDV QRLPGNDICC DCGSSEPTWL STNLGILT CI ECGI HREM G VHISRIQSLE LDKLGTSELL LAKNVGNNSF NDIMEANLPS PSPKPTSSD M TVRKEYITA KYVDHRFSRK TCASSAKLN ELLEAIKSRD LLALIQVYAE GVELMEPLLE PGQELGETAL HLAVRTADQT SLHLVDFLVQ NCGNLDKQTS VGNTVLHYCS MYGKPECLKL LLRSKPTVDI VNQNGETALD IAKRLKATQC EDLLSQA KSG KFNPHVHVEY

Product Details

EWNLRQDEMD ESDDDLDDKP SPIKKERSPR PQSFCHSSSI SPQDKLALPG FSTPRDKQRL
SYGAFTNQIF ASTSTDLPTS PTSEAPPLPP RNAGKGPTGP PSTLPLGTQT SSGSSTLSKK
RPPPPPPGHK RTLSDPPSPL PHGPPNKGAI PWGNDVGPLS SSKTANKFEG LSQQASTSSA
KTALGPRVLP KLPQKVALRK TETSHHLSLD RTNIPPETFQ KSSQLTELPQ KPPLGELPPK
PVELAPKPQV GELPPKPGEL PPKPQLGDLP PKPQLSDLPP KPQMKDLPPK PQLGDLLAKS
QAGDVSAKVQ PPSEVTQRSH TGDLSPNVQS RDAIQKQASE DSNDLTPTLP ETPVPLPRKI
NTGKNKVRV KTIYDCQADN DDELTFIEGE VIIVTGEEDQ EWWIGHIEGQ PERKGVFPVS FVHILSD

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: May function as a signal transduction protein involved in the differentiation of fibroblasts into adipocytes and possibly other cell types. Posseses 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. 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 (By similarity). {ECO:0000250, ECO:0000250|UniProtKB:Q9ULH1}.

Molecular Weight: 127.4 kDa

UniProt: [Q9QWY8](#)

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