

Datasheet for ABIN3135911

ASAP2 Protein (AA 1-958) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	ASAP2
Protein Characteristics:	AA 1-958
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASAP2 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AliCE®
Sequence:	<p>MPDQISVSEF VAETHEDYKA PTASSFTTRT AQRNTVAAI EEALDVDRMV LYKMKKSVKA</p> <p>INISGLAHVE NEEQYTQALE KFGGNCVCRD DPDLGSAFLK FSVFTKELTA LFKNLIQNMN</p> <p>NIISFPLDSL LKGD LKGKVGK DLKKPFDKAW KDYETKITKI EKEKKEHAKL HGMIRTEISG</p> <p>AEIAEEMEKE RRFFQLQMCE YLLKVNEIKV KKGVDLLQNL IKYFHAQCNE FQDGLKAVES</p> <p>LKPSIETLST DLHTIKQAQD EERRQLIQLR DILKSALQVE QKESRRDSQL RQSTAYSLHQ</p> <p>PQGNKEHGTE RGNLYKKSD GIRKVVQKRK CSVKNGFLT I SHGTANRPPA KLNLLTCQVK</p> <p>TNPEEKKCFD LISHDRTYHF QAEDEQECQI WMSVLQNSKE EALNNAFKGD DNTGENNIVQ</p> <p>ELTKEIIEV QRMTGNDVCC DCGAPDPTWL STNLGILT CI ECSGIHRELG VHYSRMQSLT</p> <p>LDVLGTSELL LAKNIGNAGF NEIMECCCLPS EDPVKPNPGS DMIARKDYIT AKYMERRYAR</p> <p>KKHADTA AKL HSLCEAVKTR DIFGLLQAYA DGVDLTEKIP LANGHEPDET ALHLAVRSVD</p> <p>RTSLHIVDFL VQNSGNLDKQ TGKGSTALHY CCLTDNAECL KLLLRGKASI EIANESGETP</p>

LDIAKRLKHE HCEELLTQAL SGRFNHSHVHV EYEWRLLED LDESDDVDDE KLQPSPNRRE
DRPVSFYQLG SSQFQSNVAVS LARDTANLTK DKQRGFGPSI LQNETYGAIL SGSPSSQSI
PPSTTSAPPL PPRNVGKDPL TTTTPPPVAK TSGTLEAMNQ PSKSSQPGTS QSKPPPLPPQ
PPSRLPQKKP ASGTDKPTPL TNKGQPRGPE ASGPLSNAMA LQPPAPMPRK SQATKSKPKR
VKALYNVAD NPDELTFSEG DVIIVDGEED QEWIGHIDG EPSRKGAFPV SFVHFIAD

Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

Product Details

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	ASAP2
Alternative Name:	Asap2 (ASAP2 Products)
Background:	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 2 (Development and differentiation-enhancing factor 2) (Paxillin-associated protein with ARF GAP activity 3) (PAG3) (Pyk2 C-terminus-associated protein) (PAP),FUNCTION: Activates the small GTPases ARF1, ARF5 and ARF6. Regulates the formation of post-Golgi vesicles and modulates constitutive secretion. Modulates phagocytosis mediated by Fc gamma receptor and ARF6. Modulates PXN recruitment to focal contacts and cell migration (By similarity). {ECO:0000250, ECO:0000269 PubMed:10022920, ECO:0000269 PubMed:11304556}.
Molecular Weight:	106.8 kDa
UniProt:	Q7SIG6

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.
Comment:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.</p> <p>During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's</p>

Application Details

	needed is the DNA that codes for the desired protein!
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months