

Datasheet for ABIN3095229

SASH1 Protein (AA 1-1247) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	SASH1
Protein Characteristics:	AA 1-1247
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SASH1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MEDAGAAGPG PEPEPEPEPE PEPAPPEPEPE PKPGAGTSEA FSRLWTDVMG ILDGSLGNID</p> <p>DLAQYADYY NTCFSDVCER MEELRKRVS QDLEVEKPD A SPTSLQLRSQ IEESLGFCSA</p> <p>VSTPEVERKN PLHKSNS EDS SVGKG DWKKK NKYFWQNF RK NQKGIMRQTS KGEDVGYVAS</p> <p>EITMSDEERI QLMMMVKEKM ITIEEALARL KEYEAQHRQS AALDPADWPD GSYPTFDGSS</p> <p>NCNSREQSDD ETEESVKFKR LHKLVNSTRR VRKKLIRVEE MKKPSTEGGE EHVFN SPVL</p> <p>DERSALYSGV HKKPLFFDGS PEKPPEDDSD SLTTSPSSSS LDTWGAGRKL VKTFSKGESR</p> <p>GLIKPPKKMG TFFSYPEEEK AQKVSRLTE GEMKKGLGSL SHGRTCSFGG FDLTNRSLHV</p> <p>GSNNSDPMGK EGDFVYKEVI KSPTASRISL GKKVKSVKET MRKRMSKKYS SSVSEQDSGL</p> <p>DGMPGSPPPS QPDPEHDKP KLKAGGSVES LRSSLGQSS MSGQTVSTTD SSTSNRESVK</p> <p>SEDGDDEEPP YRGPFCGRAR VHTDFTPSPY DTD SLKLKKG DIIDIISKPP MGTWMGLLNN</p> <p>KVGTFKFIYV DVLSEDEEKP KRPTRRRRKG RPPQPKSVED LLDRINLKEH MPTFLFNGYE</p>

DLDTFKLLEE EDLDELNIRD PEHRAVLLTA VELLQEYDSN SDQSGSQEKL LVDSQGLSGC
SPRDSGCYES SENLENGKTR KASLLSAKSS TEP SLKSFSR NQLGNYPTLP LMKSGDALKQ
GQEEGRLGGG LAPDTSKSCD PPGVTGLNKN RRS LPVSICR SCETLEGPQT VDTWPRSHSL
DDLQVEPGA E QDVPTEVTEP PPQIVPEVPQ KTTASSTKAQ PLEQDSAVDN ALLLTQSKRF
SEPQKLTTKK LEGSIAASGR GLSPPQCLPR NYDAQPPGAK HGLARTPLEG HRKGHEFEGT
HHPLGTKEGV DAEQRMQPKI PSQPPPVPK KSRERLANGL HPVPMGPSGA LPSPDAPCLP
VKRGSPASPT SPSCDPPALA PRPLSGQAPG SPPSTRPPPW LSELPENTSL QEHGVKLGPA
LTRKVSCARG VDLETLTENK LHAEGIDLTE EPYSDKHGRC GIPEALVQRY AEDLDQPERD
VAANMDQIRV KQLRKQHRMA IPSGGLTEIC RKPVSPGCIS SVSDWLISIG LPMYAGTLST
AGFSTLSQVP SLSHTCLQEA GITEERHIRK LLSAARLFKL PPGPEAM

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!

Product Details

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.

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

Target:	SASH1
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Alternative Name:	SASH1 (SASH1 Products)
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Background:	<p>SAM and SH3 domain-containing protein 1 (Proline-glutamate repeat-containing protein),FUNCTION: Is a positive regulator of NF-kappa-B signaling downstream of TLR4 activation. It acts as a scaffold molecule to assemble a molecular complex that includes TRAF6, MAP3K7, CHUK and IKBKB, thereby facilitating NF-kappa-B signaling activation (PubMed:23776175). Regulates TRAF6 and MAP3K7 ubiquitination (PubMed:23776175). Involved in the regulation of cell mobility (PubMed:23333244, PubMed:23776175, PubMed:25315659). Regulates lipopolysaccharide (LPS)-induced endothelial cell migration (PubMed:23776175). Is involved in the regulation of skin pigmentation through the control of melanocyte migration in the epidermis (PubMed:23333244). {ECO:0000269 PubMed:23333244, ECO:0000269 PubMed:23776175, ECO:0000269 PubMed:25315659}.</p>
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Molecular Weight:	136.7 kDa
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UniProt:	O94885
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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.
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Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from
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Application Details

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!

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