Datasheet for ABIN3131122

SOGA1 Protein (AA 1-1418) (His tag)

Go to Product page

1 Image

Overview

Quantity:	1 mg
Target:	SOGA1
Protein Characteristics:	AA 1-1418
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOGA1 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MLEMRDVYME EDVYQLQELR QQLDQASKTC RILQYRLRKA ERRSLRAAQT GQVDGELIRG LEQDVKVSKD ISMRLHKELE VVEKKRMRLE EENEGLRQRL IETELAKQVL QTELDRPREH SLKKRGTRSL GKTDKKPTAQ EDSADLKCQL HFAKEESALM CKKLTKLAKE NDSMKEELLK YRSLYGDLDA ALSAEELADA PHSRETELKV HLKLVEEEAN LLSRRIVELE VENRGLRAEM DDMKDHGGGG GPEARLAFSS LGGECGESLA ELRRHLQFVE EEAELLRRSS AELEDQNKLL LNELAKYRSE HELDVTLSED SCSVLSEPSQ EELAAAKLQI GELSGKVKKL QYENRVLLSN LQRCDLASCQ STRPMLETDA EAGDSAQCVP APLGETLEPH AARLCRAREA EALPGLREQA ALVSKAIDVL VADANGFSVG LRLCLDNECA DLRLHEAPDN SEGPRDAKLI HAILVRLSVL QQELNAFTRK ADVALGSSGK EQPEPFPALP ALGSQGPAKE IMLSKDLGSD FQPPDFRDLL EWEPRIREAF RTGDLESKPD PSRNFRPYRA EDNDSYASEI KDLQLVLAEA HDSLRGLQEQ LSQERQLRKE EADSFNQKMV QLKEDQQRAL LRREFELQSL SLQRRLEQKF WSQEKNILVQ ESQQFKHNFL LLFMKLRWFL KRWRQGKVLP SEEDDFLEVN SMKELYLLME EEEMNAQHSD

NKACTGESWT QNTPNECIKT LADMKVTLKE LCWLLQDERR GLTELQQQFA KAKATWETER AELKGHASQM ELKAGKGASE RPGPDWKAAL QREREEQQHL LAESYSAVME LTRQLQLSER HWSQEKLQLV ERLQGEKQQV EQQVKELQNR LSQLQKAAEP WVLKHSDMEK QDNSWKEARS EKTHDKEGVS EAELGGTGLK RTKSVSSMSE FESLLDCSPY LAGGDARNKK LPNGPAFAFV STEPVEPEKD AKEKAGLSTR DCSHIGSLAC QEPAGRQMQR SYTAPDKTGI RVYYSPPVAR RLGVPVVHDK EGKILIEPGF LFTTAKPKES AEADGLAESS YSRWLCNFSR QRLDGGSGAS TSGSGPAFPA LHDFEMSGNM SDDMKEITNC VRQAMRSGSL ERKVKNTSSQ TVGVATVGTQ TIRTVSVGLQ TDPPRSSLHS KSWSPRSSSL VSVRSKQISS SLDKVHSRIE RPCCSPKYGS PKLQRRSVSK LDSTKDRSLW NLHQGKQNGS AWARSTTTRD SPVLRNINDG LSSLFSVVEH SGSTESVWKL GMSEARTKPE PPKYGIVQEF FRNVCGRAPS PTTAAGEESC KKPEPLSPAS YHQPEGVSRI LNKKAAKAGG SEEVRPTMLS QVGKDGILRD GDGSLILPSE DAVCDCSAQS LASCFIRPSR NTIRHSPSKC RLHPSESGWG GEERAAPQ

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Soga1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- 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 will ensure that you receive a correctly folded 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.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Copyright antibodies-online. All rights reserved.

Product Details

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	SOGA1
Alternative Name:	Soga1 (SOGA1 Products)
Background:	Regulates autophagy by playing a role in the reduction of glucose production in an adiponectin- and insulin-dependent manner. {ECO:0000269|PubMed:20813965}.
Molecular Weight:	160.1 kDa Including tag.
UniProt:	E1U8D0

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 gurantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid

Handling

Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images

Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process

Copyright antibodies-online. All rights reserved.