

Datasheet for ABIN7555458
SGOL2 Protein (AA 1-1265) (His tag)



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Overview

Quantity:	1 mg
Target:	SGOL2
Protein Characteristics:	AA 1-1265
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SGOL2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SGO2 Protein expressed in mammalian cells.
Sequence:	<p>MECPVMETGS LFTSGIKRHL KDKRISKTTK LNVSLASKIK TKILNNSSIF KISLKHNNRA LAQALSREKE NSRRITTEKM LLQKEVEKLN FENTFLRLKL NNLNKKLIDI EALMNNNLIT AIEMSSLSEF HQSSFLLSAS KKKRISKQCK LMRLPFARVP LTSNDDDED KEKMQCDDNI KSKTLPDIPS SGSTTQPLST QDNSEVFLK ENNQNVYGLD DSEHISSIVD VPPRESHSHS DQSSKTSLMS EMRNAQSIGR RWEKPSPSNV TERKKRGSSW ESNNLSADTP CATVLDKQHI SSPELNCNNE INGHTNETNT EMQRNKQDLP GLSSESAREP NAECMNQIED NDDFQLQKTV YDADMDLTAS EVSKIVTVST GIKKKSNNKT NEHGMKTFRK VKDSSSEKKR ERSKRQFKNS SDVDIGEIE NRTERSDVLG GKRGAEDPGF IFNNEQLAQM NEQLAQVNEL KKMTLQTGFE QGDRENVLCN KKEKRITNEQ EETYSLSQSS GKFHQESKFD KGQNSLTCNK SKASRQTFVI HKLEKDNLDP NQKDKVTIYE NLDVTNEFHT ANLSTKDNGN LCDYGTHNIL DLKKYVTDIQ PSEQNESNIN KLRKKVNRKT EIISGMNHMY EDNDKDVVHG LKKGNFFFKT QEDKEPISEN IEVSKELQIP ALSTRDNENQ CDYRTQNVLG LQKQITNMYP VQQNESKVNK KLRQKVNVRKT</p>

Product Details

EIISEVNHLD NDKSIEYTVK SHSLFLTQKD KEIIPGNLED PSEFETPALS TKDSGNLYDS
EIQNVLGVKH GHDMQPACQN DSKIGKKPRL NVCQKSEIIP ETNQIYENDN KGVHDLEKDN
FFSLTPKDKE TISENLQVTN EFQTVDLLIK DNGNLCDYDT QNILELKKYV TDRKSAEQNE
SKINKLRNKV NWKTEIISEM NQIYEDNDKD AHVQESYTKD LDFKVNKSKQ KLECQDIINK
HYMEVNSNEK ESCDQILDSY KVVKKRKKES SCKAKNILTK AKNKLASQLT ESSQTSISLE
SDLKHITSEA DSDPGNPVEL CKTQKQSTTT LNKKDLPFVE EIKEGECQVK KVNKMTSKSK
KRKTSIDPSP ESHEVMERIL DSVQKGSTVS EQADKENNLE NEKMVKNKPD FYTKAFRSL
EIHSPNIQDS SFDSVREGLV PLSVSSGKNV IIKENFALEC SPAFQVSDDE HEKMNKMKFK
VNRRTQKSGI GDRPLQDLSN TSFVSNNTAE SENKSEDLSS ERTSRRRRCT PFYFKEPSLR DKMRR

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: SGOL2

Target Details

Alternative Name:	SGO2 (SGOL2 Products)
Background:	<p>Shugoshin 2 (Shugoshin-2) (Shugoshin-like 2) (Tripin),FUNCTION: Cooperates with PPP2CA to protect centromeric cohesin from separase-mediated cleavage in oocytes specifically during meiosis I. Has a crucial role in protecting REC8 at centromeres from cleavage by separase. During meiosis, protects centromeric cohesion complexes until metaphase II/anaphase II transition, preventing premature release of meiosis-specific REC8 cohesin complexes from anaphase I centromeres. Is thus essential for an accurate gametogenesis. May act by targeting PPP2CA to centromeres, thus leading to cohesin dephosphorylation (By similarity). Essential for recruiting KIF2C to the inner centromere and for correcting defective kinetochore attachments. Involved in centromeric enrichment of AUKRB in prometaphase. {ECO:0000250, ECO:0000269 PubMed:16541025, ECO:0000269 PubMed:17485487, ECO:0000269 PubMed:20739936}.</p>
Molecular Weight:	144.7 kDa
UniProt:	Q562F6

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