

Datasheet for ABIN3136019

SCRIB Protein (AA 1-1612) (His tag)



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1 Image

Overview

Quantity:	1 mg
Target:	SCRIB
Protein Characteristics:	AA 1-1612
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCRIB protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Crystallization (Crys), ELISA, Western Blotting (WB)

Product Details

Sequence:	<p>MLKCIPLWRC NRHVESVDKR HCSSLQVVP EE IYRYSRSL EE LLLDANQLRE LPKPFRRLLN</p> <p>LRKLGLSDNE IQRLPPEVAN FMQLVELDVS RNDIPEIPES IKFCKALEIA DFSGNPLSRL</p> <p>PDGFTQLRSL AHLALNDVSL QALPGDVGNL ANLVTLELRE NLLKSLPASL SFLVKLEQLD</p> <p>LGGNDLEVLP DTLGALPNLR ELWLDNRNQLS ALPPELGNNLR RLVCLDVSEN RLEELPVELG</p> <p>GLALLTDL LL SQNLLQRLPE GIGQLKQLSI LKVDQNR LCE VTEAIGDCEN LSELILTENL</p> <p>LTALPHSLGK LTKLTN LNVD RNHLEVLPPE IGGCVALS VL SLRDNRLAVL PPELAHTAEL</p> <p>HVL DVAGNRL RSLPFAL THL NLKALWLAEN QAQPM LRFQT EDDAQTGEKV LTCYLLPQQP</p> <p>LPSLEDAGQQ SSPSESCSDA PLSRVSVIQF EDTLEGEEDA EEA AA EKRL QRRATPHPSE</p> <p>LKVMKRGIEE RRNEAFVCKP DPSPSPSSEE EKRLSAESAL SGGSVPSAST ASEGEPEILP</p> <p>AEVQGLGQHE AMPAQEEYTE DDYNEPTVHF AEDTLIPRED GESEEGQPEA AWPLPSGRQR</p> <p>LIRKDTPHYK KHFKISKLPQ PEAVVALLQG VQTDREGPTA GWHNGPHTPW APRAHEEEEE</p> <p>EEEE NRDEEE GEATTEEDDK EEAVASAPSV KGV SFDQANN LLIEPARIEE EELTLTIVRQ</p>
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TGGLGISIAG GKGSTPYKGD DEGIFISRVS EEGPAARAGV RVGDKLLEVN GVALQDAEHH
EAVEALRGAG AAVQMRVWRE RMVEPENAVT ITPLRPEDDY SPREWRGGGL RLPLLQPETP
VSLRQRHAAC LVRSEKGLGF SIAGGKGSTP YRAGDGGIFI SRIAEGGAAH RAGTLQVGDR
VLSINGVDMT EARHDHAVSL LTAASPTISL LLERETGGTY PPSPPPHSSP TPAATVAATV
STAVPGEPLL PRLSPSLLAT ALEGYPVVEE ICLPRAGGPL GLSIVGGSDH SSHPFGVQDP
GVFISKVLPR GLAARCGLRV GDRILAVNGQ DVREATHQEA VSALLRPCLE LCLLVRRDPP
PPGMRELCIQ KAPGEKLGIS IRGGAKGHAG NPCDPTDEGI FISKVSPTGA AGRDGRRLVG
LRLLEVNQQS LLGLTHAEAV QLLRSVGDTL TVLVCDGFD TTTALEVSP GVIANPFAAG
LGHRNSLESI SSIDRELSPE GPGKEKELAS QALPWESESA ETTGRNLEPL KLDYRALAAL
PSAGSLQRGP SATTGGKTTE APCSPGSQQP PSPDELPANV KQAYRAFAAV PTVHPPENSA
TQPPTGPAA SPEQLSFRER QKYFELEVRV PQAEGPPKRV SLVGADDLRK MQEEEEARKLQ
QKRAQMLREE AVTSGPDMGL ASDRESPDDQ QEAEQPWAVP SHAGGSSPSS PPPLGGNAPV
RTAKAERRHQ ERLRMQSPEL PAPERALSPA ERRALEAEKR ALWRAARMKS LEQDALRAQM
VLSKSQEGRG KRGPLERLAE APSPAPTPSP TPLED FGLQT SASPGRLSPD FVEELRTLEA
SPSPGSQEED GEVALVLLGR PSPGAVGPED MTLCSSRRSV RRGRRGLGPV PS

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 Scrib 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 receipt 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

Product Details

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.

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:	SCRIB
Alternative Name:	Scrib (SCRIB Products)
Background:	<p>Scaffold protein involved in different aspects of polarized cells differentiation regulating epithelial and neuronal morphogenesis. Most probably functions in the establishment of apico-basal cell polarity. May function in cell proliferation regulating progression from G1 to S phase and as a positive regulator of apoptosis for instance during acinar morphogenesis of the mammary epithelium. May also function in cell migration and adhesion and hence regulate cell invasion through MAPK signaling. May play a role in exocytosis and in the targeting synaptic vesicles to synapses. Functions as an activator of Rac GTPase activity.</p> <p>{ECO:0000269 PubMed:12499390, ECO:0000269 PubMed:18716323, ECO:0000269 PubMed:19041750, ECO:0000269 PubMed:19458197}.</p>
Molecular Weight:	175.0 kDa Including tag.
UniProt:	Q80U72
Pathways:	Cell-Cell Junction Organization , Production of Molecular Mediator of Immune Response , Tube Formation , Synaptic Vesicle Exocytosis , Asymmetric Protein Localization

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:	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
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