

Datasheet for ABIN3095338 SCRIB Protein (AA 1-1630) (Strep Tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	1 mg
Target:	SCRIB
Protein Characteristics:	AA 1-1630
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCRIB protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), ELISA, Western Blotting (WB)

Product Details

Sequence:	<p>MLKCIPLWRC NRHVESVDKR HCSSLQAVPEE IYRYSRSLEE LLLDANQLRE LPKPFRLIN</p> <p>LRKLGLSDNE IQRLPPEVAN FMQLVELDVS RNDIPEIPES IKFCKALEIA DFGSNPLSRL</p> <p>PDGFTQLRSL AHLALNDVSL QALPGDVGNL ANLVTLELRE NLLKSLPASL SFLVKLEQLD</p> <p>LGGNDLEVLP DTLGALPNLR ELWLDNRNQLS ALPPELGNNLR RLVCLDVSEN RLEELPAELG</p> <p>GLVLLTDLIL SQNLLRRLPD GIGQLKQLSI LKVDQNRNLC VTEAIGDCEN LSELILTENL</p> <p>LMALPRSLGK LTKLTNLNVD RNHLEALPPE IGGCVALSVL SLRDNRNLAVL PPELAHTTEL</p> <p>HVLVDVAGNRL QSLPFALTHL NLKALWLAEN QAQPMLRFQT EDDARTGEKV LTCYLLPQQP</p> <p>PPSLEDAGQQ GSLSETWSDA PPSRVSVIQF LEAPIGDEDA EEAIAEKRL QRRATPHPSE</p> <p>LKVMKRSIEG RRSEACPCQP DSGSPLPAEE EKRLSAESGL SEDSRPSAST VSEAEPEGPS</p> <p>AEAQGGSQQE ATTAGGEEEA EEDYQEPTVH FAEDALLPGD DREIEEGQPE APWTLPGGRQ</p> <p>RLIRKDTPHY KKHFKISKLP QPEAVVALLQ GMQPDGEGPV APGGWHNGPH APWAPRAQKE</p> <p>EEEEEEGSPQ EEEEEEEEN RAEIEEASTE EEDKEGAVVS APSVKGVSFD QANNLLIEPA</p>
-----------	---

RIEEEELTLT ILRQTGGLGI SIAGGKGSTP YKGDDEGIFI SRVSEEGPAA RAGVRVGDKL
LEVNGVALQG AEHHEAVEAL RGAGTAVQMR VWRERMVEPE NAVTITPLRP EDDYSPRERR
GGGLRLPLLP PESPGPLRQR HVACLARSER GLGFSIAGGK GSTPYRAGDA GIFVSRIAEG
GAAHRAGTLQ VGDRVLSING VDVTEARHDH AVSLLTAASP TIALLLEREA GGPLPPSPLR
HSSPPTAAVA TTSITTATPG VPGLPSLAPS LLAAALEGPY PVEEIRLPRA GGPLGLSIVG
GSDHSSHPFG VQEPGVFISK VLPRGLAARS GLRVGDRILA VNGQDVRDAT HQEAVSALLR
PCLELSLLVR RDPAPPGLRE LCIQKAPGER LGISIRGGAR GHAGNPRDPT DEGIFISKVS
PTGAAGRDGR LRVGLRLLEV NQQSLLGLTH GEAVQLLSV GDTLTVLVCD GFEASTDAAL
EVSPGVIANP FAAGIGHRNS LESISSIDRE LSPEGPGKEK ELPGQTLHWG PEATEAAGRG
LQPLKLDYRA LAAVPSAGSV QRVPSGAAGG KMAESPCSPS GQPPSPSPSP DELPANVKQA
YRAFAAVPTS HPPEDAPAQP PTPGPAASPE QLSFRERQKY FELEVRVPQA EGPPKRVSLV
GADDLRKMQE EEARKLQQR AQMLREAAEA GAEARLALDG ETLGEEEEQED EQPPWASPS
TSRQSPASPP PLGGGAPVRT AKAERRHQR LRVQSPEPPA PERALSPAEL RALEAEKRAL
WRAARMKSLE QDALRAQMV L SRSQEGRGTR GPLERLAEAP SPAPTPSPTP VEDLGPQTST
SPGRLSPDFA EELRSLEPSP SPGPQEEDGE VALVLLGRPS PGAVGPEDVA LCSSRRPVRP
GRRGLGPVPS

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 by multi-step, protein-specific process to ensure correct folding and modification.
- 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 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.

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

Product Details

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 in several dilutions and is measured against its specific reference buffer.
- We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®): 1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. 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:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Grade:	Crystallography grade

Target Details

Target:	SCRIB
Alternative Name:	SCRIB (SCRIB Products)
Background:	Protein scribble homolog (Scribble) (hScrib) (Protein LAP4),FUNCTION: Scaffold protein involved in different aspects of polarized cell differentiation regulating epithelial and neuronal morphogenesis and T-cell polarization (PubMed:15182672, PubMed:16344308, PubMed:19041750, PubMed:18716323, PubMed:18641685, PubMed:16965391, PubMed:27380321). Via its interaction with CRTAM, required for the late phase polarization of a subset of CD4+ T-cells, which in turn regulates TCR-mediated proliferation and IFNG and IL22

Target Details

production (By similarity). Most probably functions in the establishment of apico-basal cell polarity (PubMed:16344308, PubMed:19041750). 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 (PubMed:16965391, PubMed:19041750). May also function in cell migration and adhesion and hence regulate cell invasion through MAPK signaling (PubMed:18716323, PubMed:18641685). May play a role in exocytosis and in the targeting of synaptic vesicles to synapses (PubMed:15182672). Functions as an activator of Rac GTPase activity. {ECO:0000250|UniProtKB:Q80U72, ECO:0000269|PubMed:15182672, ECO:0000269|PubMed:16344308, ECO:0000269|PubMed:16965391, ECO:0000269|PubMed:18641685, ECO:0000269|PubMed:18716323, ECO:0000269|PubMed:19041750, ECO:0000269|PubMed:27380321}.

Molecular Weight:	174.9 kDa
UniProt:	Q14160
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:	<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 needed is the DNA that codes for the desired protein!</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. If you have a special request, please contact us.
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