

Datasheet for ABIN7564257
SCRIB Protein (AA 1-1612) (His tag)



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Overview

Quantity:	1 mg
Target:	SCRIB
Protein Characteristics:	AA 1-1612
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCRIB protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Scrib Protein expressed in mammalian cells.
Sequence:	MLKCIPLWRC NRHVESVDKR HCSSLQVVPEE IYRYSRSLEE LLLDANQLRE LPKPFRRLLN LRKLGSDNE IQRLPPEVAN FMQLVELDVS RNDIPEIPES IKFCKALEIA DFSGNPLSRL PDGFTQLRSL AHLALNDVSL QALPGDVGNL ANLVTELELRE NLLKSLPASL SFLVKLEQLD LGGNDLEVLP DTLGALPNLR ELWLDRNQLS ALPPELGNLR RLVCLDVSEN RLEELPVELG GLALLTDL LLL SQNLLQRLPE GIGQLKQLSI LKVDQNR LCE VTEAIGDCEN LSELILTENL LTALPHSLGK LTKLTNLNVD RNHLEVL PPE IGGCVALS VL SLRDNRLAVL PPELAHTAEL HVLDVAGNRL RSLPFAL THL NLKALWLAEN QAQPMLRFQT EDDAQTGEKV LTCYLLPQQP LPSLEDAGQQ SSPSESCSDA PLSRVSVIQF EDTLEGEEDA EAAAAEK RGL QRRATPHPSE LKVMKRGIEE RRNEAFVCKP DPSPPSPSEE EKRLSAESAL SGGSVPSAST ASEGEPEILP AEVQGLGQHE AMPAQEEYTE DDYNEPTVHF AEDTLIPRED GESEEGQPEA AWPLPSGRQR LIRKDTPHYK KHFKISKLPQ PEAVVALLQG VQTDREGPTA GWHNGPHTPW APRAHEEEEE EEEENRDEEE GEATTEEDDK EEAVASAPSV KGV SFDQANN LLIEPARIEE EELTLTIVRQ

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 ALEGPYPVEE ICLPRAGGPL GLSIVGGSDH SSHPFGVQDP
GVFISKVLPR GLAARCGLRV GDRILAVNGQ DVREATHQEA VSALLRPCLE LCLLVRRDPP
PPGMRELCIQ KAPGEKLGIS IRGGAKGHAG NPCDPTDEGI FISKVSPTGA AGRDGRLRV
LRLLEVNQQS LLGLTHAEAV QLLRSVGD TLVLCDFGDT STTTALEVSP GVIANPFAAG
LGHRNSLESI SSIDRELSPE GPGKEKELAS QALPWESESA ETTGRNLEPL KLDYRALAAL
PSAGSLQRGP SATTGGKTTE APCSPGSQQP PSPDELPANV KQAYRAFAAV PTVHPPENSA
TQPPTPGPAA SPEQLSFRER QKYFELEVRV PQAEGPPKRV SLVGADDLRK MQEEEEARKLQ
QKRAQMLREE AVTSGPDMGL ASDRESPDDQ QEAEQPWAVP SHAGGSSPSS PPPLGGNAPV
RTAKAERRHQ ERLRMQSPEL PAPERALSPA ERRALEAEKR ALWRAARMKS LEQDALRAQM
VLSKSQEGRG KRGPLERLAE APSPAPTPSP TPLEDFGLQT SASPGRLSPD FVEELRTLEA
SPSPGSQEED GEVALVLLGR PSPGAVGPED MTLCSSRRSV RPPGRRGLGPV PS **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.

Product Details

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SCRIB
Alternative Name:	Scrib (SCRIB Products)
Background:	<p>Protein scribble homolog (Scribble) (Protein LAP4),FUNCTION: Scaffold protein involved in different aspects of polarized cell differentiation regulating epithelial and neuronal morphogenesis and T-cell polarization (PubMed:12499390, PubMed:18716323, PubMed:19041750, PubMed:18329370). 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 production (PubMed:18329370). Most probably functions in the establishment of apico-basal cell polarity (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:19041750). May also function in cell migration and adhesion and hence regulate cell invasion through MAPK signaling (PubMed:18716323). May play a role in exocytosis and in the targeting of synaptic vesicles to synapses (PubMed:19458197). Functions as an activator of Rac GTPase activity. {ECO:0000269 PubMed:12499390, ECO:0000269 PubMed:18329370, ECO:0000269 PubMed:18716323, ECO:0000269 PubMed:19041750, ECO:0000269 PubMed:19458197}.</p>
Molecular Weight:	174.1 kDa
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:	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