

Datasheet for ABIN7555638
STIL Protein (AA 1-1287) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	STIL
Protein Characteristics:	AA 1-1287
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STIL protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat STIL Protein expressed in mammalien cells.
Sequence:	MEPIYPFARP QMNTRFPSSR MVPFHFPSPK CALWNPTPTG DFIYLHLSYY RNPKLWVTEK TIRLAYRHAK QNKKNSSCFL LGSLTADEDE EGVTLTVDRF DPGREVPECL EITPTASLPG DFLIPCKVHT QELCSREMIV HSVDDFSSAL KALQCHICKS DSLDCGKLLS LRVHITSRES LDSVEFDLHW AAVTLANNFK CTPVKPIII PTALARNLSS NLNISQVQGT YKYGYLTMDE TRKLLLLLES DPKVYSLPLV GIWLSGITHI YSPQVWACCL RYIFNSSVQE RVFSESGNFI IVLYSMTHKE PEFYECFPCD GKIPDFRFQL LTSKETLHLF KNVEPPDKNP IRCELSAESQ NAETEFFSKA SKNFSIKRSS QKLSSGKMPI HDHDSGVEDE DFSPRPIPSP HPVSQKISKI QPSVPELSLV LDGNFIESNP LPTPLEMVNN ENPPLINHLE HLKPLQPQLY DEKHSPEVEA GEPSLRGIPN QLNQDKPALL RHCKVRQPPA YKKGPNPHTRN SIKPSSHNGP SHDIFEKLQT VSAGNVQNEE YPIRPSTLNS RQSSLAPQSQ PHDFVFSPHN SGRPMELQIP TPPLPSYCST NVCRCQHHHS HIQYSPLNSW QGANTVGSIQ DVQSEALQKH SLFHPGCPA LYCNAFCSSS

Product Details

SPIALRPQGD MGSCSPHSNI EPSPVARPPS HMDLCNPQPC TVCMHTPKTE SDNGMMGLSP
DAYRFLTEQD RQLRLLQAQI QRLLEAQLSM PCSPKTTAVE DTVQAGRQME LVSVEAQSSP
GLHMRKGVSI AVSTGASLFW NAAGEDQEPD SQMKQDDTKI SSED MNFSVD INNEVTSLPG
SASSLKAVDI PSFEESNIAV EEEFNQPLSV SNSSLVVRKE PDVPVFFPSG QLAESVSMCL
QTGPTGGASN NSETSEEPKI EHVMQPLLHQ PSDNQKIYQD LLGQVNHLN SSSKETEQPS
TKAVIISHEC TRTQNVYHTK KKTTHSRLVD KDCVLNATLK QLRSLGVKID SPTKVKKNAH
NVDHASVLAC ISPEAVISGL NCMSFANVGM SGLSPNGVDL SMEANAIALK YLNENQLSQL
SVTRSNQNNC DPFLLHINT DRSTVGLSLI SPNNMSFATK KYMKRYGLLQ SSDNSEDEEE
PPDNADSKSE YLLNQNLRSI PEQLGGQKEP SKNDHEIINC SNCEVGTNA DTPVLRNITN
EVLQTKAKQQ LTEKPAFLVK NLKPSPAVNL RTGKAEFTQH PEKENEGDIT IFPESLQPSE
TLQMNSMNS VGTFLDVKRL RQLPKLF **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

STIL

Target Details

Alternative Name: [STIL \(STIL Products\)](#)

Background: SCL-interrupting locus protein (TAL-1-interrupting locus protein),FUNCTION: Immediate-early gene. Plays an important role in embryonic development as well as in cellular growth and proliferation, its long-term silencing affects cell survival and cell cycle distribution as well as decreases CDK1 activity correlated with reduced phosphorylation of CDK1. Plays a role as a positive regulator of the sonic hedgehog pathway, acting downstream of PTCH1 (PubMed:16024801, PubMed:9372240). Plays an important role in the regulation of centriole duplication. Required for the onset of procentriole formation and proper mitotic progression. During procentriole formation, is essential for the correct loading of SASS6 and CENPJ to the base of the procentriole to initiate procentriole assembly (PubMed:22020124). In complex with STIL acts as a modulator of PLK4-driven cytoskeletal rearrangements and directional cell motility (PubMed:32107292, PubMed:29712910). {ECO:0000269|PubMed:16024801, ECO:0000269|PubMed:22020124, ECO:0000269|PubMed:29712910, ECO:0000269|PubMed:32107292, ECO:0000269|PubMed:9372240}.

Molecular Weight: 143.0 kDa

UniProt: [Q15468](#)

Pathways: [Tube Formation](#)

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.

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
