

Datasheet for ABIN7563892
STIL Protein (AA 1-1262) (His tag)



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Overview

Quantity:	1 mg
Target:	STIL
Protein Characteristics:	AA 1-1262
Origin:	Mouse
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:	MNTRFPSSKM VPFHFPPSKL ALWNPMPIGE CIYLHLSYYR KPCLMVTEKA IRLAYRHAKQ NKKNVPCFLL GSLTVDEDEE GVTLTIDRFD PGREIPECLE RTPTASLPGD FLIPCRVHIQ GLGSRDVIVH NADDFSSALK ALQYHVCSKD FLDCGKLLCL RAQITPRESL DGVDNQLQWT AVTLANSFKC VPKPIPIIP TALARNLSSN LNISQVQGTY KHGYITMDET RKLKLLQLQSD PKVSSLPLVG IWLAGIIHVY SPQVWACCLR YMFSSSIQER VFSESGNFII VLYSLTHKEP EFYECLPCES RTPDLQFQLL TNKETLHLFN NVEPSGKNPI HFELSAESQD AEAEAEVLSK ISKTLPVKRS SQKLSPGKIP INKHDTDLED EDFSPRPIPS PHPVSKISK VQPSVPELSL VLDNNFTESS NQSNPLEMMT VENPLLIKPS QPELCAKHS SEATTGEPFR RGPTNQLSQD TALRQSRGKQ SSTCKKESLQ FRNTNAKPSL SVSPDVAEK LQAVSAGSMQ KEDYPVRPST LDSRQPSLAP QAQPHNLVFS THNSTRPMEL QVPTPSLPSY YPTNVCSCCQ HHGHIQYSTI NSWQGNTVGS IQDLRSESLP KHAFFHSSGC PSLCPNAIYS SSSPVSMKQG GMGAYSPHSN

GEPSPVAGPS HVDSCVPHPC AMCMHTPNTA PDNGMMGLSP DAYRFVTEQD RQLRLLQAQI
QRLLEAQSLD PGSHKTVATV EDTVKAQKQM ELVSMEAQSS PGLHMRKSVS IAVSTGASLF
WNAAGDDQEP DSQPKQDDTK ISSEDMNFSV DINNEATSLP GSASSLKAVD IPSFEESNLA
VEEVNQPLPE SNSSEQSKE PGVPVFFPNA LLAESVSMCL QTAPTEGASN STELPQGTKD
EPYRPSDNQK IYQDLLGQVN HLLSNASQET EEPPTKAVVT NRECAKTQNT HHARKKRHNS
GLVDKDCVLS ATIKQLRSLG VKIDSPTKVK KNEQKVDHAS VLACISPEAV ISGLNYMSFG
NVGMSSLSP GVDLSMEANA IALKYLSQENQ LSQSLARSK QNNGDSSVGL LHINSRSTV
GLSLVSPSNM SFATKKYMKR YGLLQSSDNS EDEEPPSHA DSESDHVLNR NPACRPVQCG
HEKEPSWNAC EIAQCSDCGS ADTRTDVPVL RNITNQAVQP RATEHLNEDS AISLRNLKPN
PAMNLRGKA EFTHHPEKEN ERDIAVFPQT LPSPETLKQM NSMDSVGTFL DVKRLRQLPK LF

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

Alternative Name:

Stil ([STIL Products](#))

Target Details

Background: SCL-interrupting locus protein homolog,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. 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 (By similarity). In complex with STIL acts as a modulator of PLK4-driven cytoskeletal rearrangements and directional cell motility (By similarity). {ECO:0000250|UniProtKB:Q15468, ECO:0000269|PubMed:10385121, ECO:0000269|PubMed:11668681, ECO:0000269|PubMed:8825637}.

Molecular Weight: 138.7 kDa

UniProt: [Q60988](#)

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