

Datasheet for ABIN7555647
STAG3 Protein (AA 1-1225) (His tag)



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Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | STAG3 |
| Protein Characteristics: | AA 1-1225 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This STAG3 protein is labelled with His tag. |

Product Details

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|-----------|--|
| Purpose: | Custom-made recombinant STAG3 Protein expressed in mammalian cells. |
| Sequence: | MSSPLQRAVG DTKRALSASS SSSASLPFDD RDSNHTSEGN GDSLLADED T DFEDSLNRNV KKRAAKRPPK TTPVAKHPKK GSRVVHRHSR KQSEPPANDL FNAVKAASD MQSLVDEWLD SYKQDQDAGF LELVNFFIQS CGCKGIVTPE MFKKMSNSEI IQHLTEQFNE DSGDYPLIAP GPSWKKFQGS FCEVRTLVC QCQYSLLYDG FPMDDLISLL TGLSDSQVRA FRHTSTLAAM KLMTSLVKVA LQLSVHQDNN QRQYEAERNK GPGQRAPERL ESLLKREKEL QEHQEEIEGM MNALFRGVFV HRYRDVLEI RAICIEEIGC WMQSYSTSFL TDSYLKYIGW TLHDKHREVR LKCVKALKGL YGNRDLTTRL ELFTSRFKDR MVSMVMDREY DVAVEAVRLL ILILKNMEGV LTDADCESVY PVVYASHRGL ASAAGEFLYW KLFYPECEIR MMGGREQRQS PGAQRTEFFQL LLSFFVESEL HDHAAYLVDS LWDCAGARLK DWEGLTSLLL EKDQNLGDVQ ESTLIEILVS SARQASEGHP PVGRVTGRKG LTSKERKTQA DDRVKLTEHL IPLLQLLAK FSADAQKVT LLQLLSCFDL HIYCTGRLEK HLEFLQLLQ EVVVKHAEPV VLEAGAHALY LLCNPEFTFF SRADFARSQL VDLLTDRFQQ ELEELLQSSF LDEDEVYNLA ATLKRLSAFY NTHDLTRWEL |

Product Details

YEPCQQLLQK AVDTGEVPHQ VILPALTLYV FSILWTLTHI SKSDASQKQL SSLRDRMVAF
CELQSQCLSD VDTEIQEQAF VLLSDLLIF SPQMIVGGRD FLRPLVFFPE ATLQSELASF
LMDHVFQPG DLGSGDSQED HLQIERLHQR RRLLAGFCKL LLYGVLEMDA ASDVFKHYNK
FYNDYGDIK ETLTRARQID RSHCSRILL SLKQLYTELL QEHGPOGLNE LPAFIEMRDL
ARRFALSFGP QQLQNRDLVV MLHKEGIQFS LSELPPAGSS NQPPNLAFLE LLSEFSPRLF
HQDKQLLSY LEKCLQHVSQ APGHPWGPVT TYCHSLSPVE NTAETSPQVL PSSKRRRVEG
PAKPNREDVS SSQEESQLN SIPPTTLTS TAVKSRQPLW GLKEMEEEDG SELDFAQQQP
VAGTERSFL GPQYFQTPHN PSGPGLGNQL MRLSLMEEDE EEELEIQDES NEERQDTDMQ
ASSYSSTSER GLDLLDSTEL DIEDF **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.

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

Grade: custom-made

Target Details

Target: STAG3

Alternative Name: STAG3 ([STAG3 Products](#))

Target Details

Background: Cohesin subunit SA-3 (SCC3 homolog 3) (Stromal antigen 3) (Stromalin-3),FUNCTION: Meiosis specific component of cohesin complex. The cohesin complex is required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms a large proteinaceous ring within which sister chromatids can be trapped. At anaphase, the complex is cleaved and dissociates from chromatin, allowing sister chromatids to segregate. The meiosis-specific cohesin complex probably replaces mitosis specific cohesin complex when it dissociates from chromatin during prophase I. {ECO:0000269|PubMed:31682730}.

Molecular Weight: 139.0 kDa

UniProt: [Q9UJ98](#)

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