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Datasheet for ABIN7564979

Stromal Antigen 1 Protein (STAG1) (AA 1-1258) (His tag)

Overview

Quantity:	1 mg
Target:	Stromal Antigen 1 (STAG1)
Protein Characteristics:	AA 1-1258
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Stromal Antigen 1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Stag1 Protein expressed in mammalian cells.
Sequence:	MITSELPVLQ DSTNETTAHS DAGSELEETE VKGKRKRGRP GRPPSTNKKP RKSPGEKSRI EAGIRGAGRG RANGHPQQNG DGDPVTLFEV VKLGKSAMQS VVDDWIELYK QDRDIALLDL INFFIQCSGC RGTVRIEMFR NMQNAEIIRK MTEEFDEDSG DYPLTMPGPQ WKKFRSNFCE FIGVLIRQCQ YSIIYDEYMM DTVISLLTGL SDSQVRAFRH TSTLAAMKLM TALVNVALNL SIHQDNTQRQ YEAERNKMIG KRANERLELL LQKRKELQEN QDEIENMMNS IFKGIFVHRY RDAIAEIRAI CIEEIGVWMK MYSDAFLNDS YLKYVWTLH DRQGEVRLKC LKALQSLYTN RELFPKLELF TNRFKDRIVS MTLDKKEYDVA VEAIRLVTLI LHGSEEALSN EDCENVYHLV YSAHRPVAVA AGEFLHKKLF SRHDPQAEAA LAKRRGRNSP NGNLIRMLVL FFLESELHEH AAYLVDSLWE SSQELLKDWE CMTELLLEEP VQGEEAMSDR QESALIELMV CTIRQAAEAH PPVGRGTGKR VLTAKERKTQ IDDRNKLTEH FIITLPMLLS KYSADAEKVA NLLQIPQYFD LEIYSTGRME KHL DALLKQI KFWVEKHVES DVLEACSKTY SILCSEETYI QNRVDIARSQ

LIDEFVDRFN HSVEDLLQEG EEADDDDIYN VLSTLKRLTS FHNAHDLTKW DLFNGCYRLL
KTGIEHGAMP EQIVVQALQC SHYSILWQLV KITDGSPSKE DLLVLRKTVK SFLAVCQQCL
SNVNTPVKEQ AFMLLCDLLM IFSHQLMTGG REGLQPLVFN PDTGLQSELL SFVMDHVFID
QDEENQSMEG DEEDEANKIE ALHKRRNLLA AFSKLIYDI VDMHAAADIF KHYMKYYNDY
GDIKETLSK TRQIDKIQA KTLILSLQQL FNELVQEQGP NLDRTSAHVS GIKELARRFA
LTFGLDQIKT REAVATLHKD GIEFAFKYQN QKGQEYPPPN LAFLEVLSEF SSKLLRQDKK
TVHSYLEKFL TEQMMERRED VWLPLISYRN SLVTGGEDDR MSVNSGSSSS KTSSVRSKKG
RPPLHRKRVE DESLDNTWLN RTDTMIQTPG PLPTPQLTST VLRENSRPMG EQIQEPESEH
GSEPDFLHNP QMQISWLGQP KLEDLNRKDR TGMNYMKVRA GVRHAVRGLM EEDAEPFED
VMMSSRSQLE DMNEEFEDTM VIDLPPSRNR RERAELRPF FDSAAIIEDD SGFGMPMF

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:

Stromal Antigen 1 (STAG1)

Alternative Name:

Stag1 ([STAG1 Products](#))

Target Details

Background: Cohesin subunit SA-1 (SCC3 homolog 1) (Stromal antigen 1),FUNCTION: Component of cohesin complex, a complex 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 cohesin complex may also play a role in spindle pole assembly during mitosis (By similarity). {ECO:0000250}.

Molecular Weight: 144.4 kDa

UniProt: [Q9D3E6](#)

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