

Datasheet for ABIN7555651

STAG2 Protein (AA 1-1231) (His tag)



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Overview

Quantity:	1 mg
Target:	STAG2
Protein Characteristics:	AA 1-1231
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAG2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat STAG2 Protein expressed in mammalian cells.
Sequence:	<p>MIAAPEIPTD FNLLQESETH FSSDTDFEDI EGKNQKQGKG KTCKKGKKGP AEKGKGGNGG</p> <p>GKPPSGPNRM NGHHQQNGVE NMMLFEVVKM GKSAMQSVVD DWIESYKHDR DIALLDLINF</p> <p>FIQCSGCKGV VTAEMFRHMQ NSEIRKMTE EFDSDSGDYP LTMAGPQWKK FKSSFCEFIG</p> <p>VLVRQCQYSI IYDEYMMDTV ISLLTGLSDS QVRAFRHTST LAAMKLMTAL VNVALNLSIN</p> <p>MDNTQRQYEA ERNKMIGKRA NERLELLLQK RKELQENQDE IENMMNAIFK GVFVHRYRDA</p> <p>IAEIRAICIE EIGIWMKMYS DAFLNDSYLYK YVGWTMHDQK GEVRLKCLTA LQGLYYNKEL</p> <p>NSKLELFTSR FKDRIVSMTL DKEYDVAVQA IKLLTLVLQS SEEVLTAECD ENVYHLVYSA</p> <p>HRPVAVAAGE FLYKKLFSRR DPEEDGMMKR RGRQGPANL VKTLVFFFL SELHEHAAYL</p> <p>VDSMWDCATE LLKDWECMNS LLLLEPLSGE EALTDRQESA LIEIMLCTIR QAAECHPPVG</p> <p>RGTGKRVLTA KEKKTQLDDR TKITELFAVA LPQLLAKYSV DAEKVTNLLQ LPQYFDLEIY</p> <p>TTGRLEKHLA ALLRQIRNIV EKHTDQDVLE ACSKTYHALC NEEFTIFNRV DISRSQILDE</p>

LADKFNRLLE DFLQEGEEPD EDDAYQVLST LKRITAFHNA HDLSKWDLFA CNYKLLKTGI
ENGDMPEQIV IHALQCTHYV ILWQLAKITE SSSTKEDLLR LKKQMRVFCQ ICQHYLTNVN
TTVKEQAFIT LCDILMIFSH QIMSGGRDML EPLVYTPDSS LQSELLSFIL DHVFIEQDDD
NNSADGQQED EASKIEALHK RRNLLAAFCK LIVYTVVEMN TAADIFKQYM KYYNDYGDII
KETMSKTRQI DKIQCAKTLI LSLQQLFNEM IQENGYNFDR SSSTFSGIKE LARRFALTFG
LDQLKTREAI AMLHKDGI EF AFKEPNPQGE SHPPLNLAFL DILSEFSSKL LRQDKRTVYV
YLEKFMTFQM SLRREDVWLP LMSYRNSLLA GGDDDTMSVI SGISSRGSTV RSKKSKPSTG
KRKVVEGMQL SLTEESSSSD SMWLSREQTL HTPVMMQTPQ LTSTIMREPK RLRPEDSFMS
VYPMQTEHHQ TPLDYNRRGT SLMEDDEEPI VEDVMMMSSEG RIEDLNEGMD FDTMDIDLPP
SKNRRRETEL KPDDFFDPASI MDESVLGVSM F **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	STAG2
Alternative Name:	STAG2 (STAG2 Products)

Target Details

Background:	Cohesin subunit SA-2 (SCC3 homolog 2) (Stromal antigen 2),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. {ECO:0000269 PubMed:12034751}.
Molecular Weight:	141.3 kDa
UniProt:	Q8N3U4
Pathways:	Stem Cell Maintenance

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