

Datasheet for ABIN7555677
SYCP2 Protein (AA 1-1530) (His tag)



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Overview

Quantity:	1 mg
Target:	SYCP2
Protein Characteristics:	AA 1-1530
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYCP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SYCP2 Protein expressed in mammalian cells.
Sequence:	<p>MPIRPDLQQL EKCIDDALRK NDFKPLKTL QIDICEDVKI KCSKQFFHKV DNLICRELNK EDIHNVSAI VSVGRCGKNI SVLGQAGLLT MIKQGLIQKM VAWFEKSKDI IQSQGNSKDE AVLNMIEDLV DLLLVIHDVS DEGKKQVVES FVPRICSLVI DSRVNICIQQ EIIKKMNAML DKMPQDARKI LSNQEMLILM SSMGERILDA GDYDLQVGIV EALCRMTEK QRQELAHQWF SMDFIAKAFK RIKDSEFETD CRIFLNLVNG MLGDKRRVFT FPCLSAFLDK YELQIPSEK LEEFWIDFNL GSQTLSFYIA GDNDDHQWEA VTPPEEKVQI YSIEVRESKK LLTIILKNTV KISKREGKEL LLYFDASLEI TNVTQKIFGA TKHRESIRKQ GISVAKTSLH ILFDASGSQI LVPESQISPV GEELVSLKEK SKSPKEFAKP SKYIKNSDKG NRRNSQLEKT TPSKRKMSEA SMIVSGADRY TMRSPVLFSN TSIPRRRRI KPPLQMTSSA EKPSVSQTSE NRVDNAASLK SRSSEGRHRR DNIDKHIKTA KCVENTENKN VEFPNQNFSE LQDVIPDSQA AEKRDHTILP GVLNINICGNK IHSKWACWTP VTNIELCNNQ RASTSSGDTL NQDIVINKKL TKQKSSSSIS DHNSEGTGKV KYYKQEQTDHI KIDKAEVEVC KKHNNQQNHP KYSGQKNTEN AKQSDWPVES ETTFKSVLLN</p>

KTIEESLIYR KKYILSKDVN TATCDKNPSA SKNVQSHRKA EKELTSELNS WDSKQKKMRE
KSKGKEFTNV AESLISQINK RYKTKDDIKS TRKLKESLIN SGFSNKPVVQ LSKEKVQKKS
YRKLKTTFFVN VTSECPVNDV YNFNLNGADD PIIKLGIQEF QATAKEACAD RSIRLVGPRN
HDELKSSVKT KDKKIITNHQ KKNLFSDET EYRCDDSKTD ISWLREPKSK PQLIDYSRKN
NVKNHKSQGS RSSLEKGQPS SKMTPSKNIT KKMDKTIPEG RIRLPRKATK TKKNYKDLNS
SESECEQEFS HSFKENIPVK EENIHSRMKT VKLPKKQKQV FCAETEKELS KQWKNSLLK
DAIRDNCLDL SPRSLGSPS SIEVTRCIEK ITEKDFTQDY DCITKSISPY PKTSSLESLN
SNSGVGGTIK SPKNNEKNFL CASESCSPIP RPLFLPRHTP TKSNTIVNRK KISSLVLTQE
TQNSNSYSQV SSYSSEERFM EIESPHINEN YIQSKREESH LASSLSKSSE GREKTWFDMP
CDATHVSGPT QHLSRKRIYI EDNLSNSNEV EMEEKGERRA NLLPKKLCKI EDADHHIHKM
SESVSSLSTN DFSIPWETWQ NEFAGIEMTY ETYERLNSEF KRRNNIRHKM LSYFTTQSWK
TAQQHLRTMN HQSQDSRIKK LDKFQFIIIE ELENFEKDSQ SLKDLEKEFV DFWEKIFQKF
SAYQKSEQQR LHLLKTSKAK SVFCNTDSEE TVFTSEMCLM KEDMKVLQDR LLKDMLEEEEL
LNVRRLEMSV FMSHERNANV **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:	SYCP2
Alternative Name:	SYCP2 (SYCP2 Products)
Background:	Synaptonemal complex protein 2 (SCP-2) (Synaptonemal complex lateral element protein) (hsSCP2),FUNCTION: Major component of the axial/lateral elements of synaptonemal complexes (SCS) during meiotic prophase. Plays a role in the assembly of synaptonemal complexes. Required for normal meiotic chromosome synapsis during oocyte and spermatocyte development and for normal male and female fertility. Required for insertion of SYCP3 into synaptonemal complexes. May be involved in the organization of chromatin by temporarily binding to DNA scaffold attachment regions. Requires SYCP3, but not SYCP1, in order to be incorporated into the axial/lateral elements. {ECO:0000250 UniProtKB:Q9CUU3}.
Molecular Weight:	175.6 kDa
UniProt:	Q9BX26
Pathways:	M Phase

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