

Datasheet for ABIN7555670
SYCP1 Protein (AA 1-976) (His tag)



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Overview

Quantity:	1 mg
Target:	SYCP1
Protein Characteristics:	AA 1-976
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYCP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SYCP1 Protein expressed in mammalian cells.
Sequence:	MEKQKPFALF VPPRSSSSQV SAVKPQTLGG DSTFFKSFNK CTEDDFEFPF AKTNLSKNGE NIDSDPALQK VNFLPVLEQV GNSDCHYQEG LKDSLENSE GLSRVYSKLY KEAEKIKKWK VSTEALRQK ESKLQENRKI IEAQRKAIQE LQFGNEKVS LKLEGIQENK DLIKENNATR HLCNLLKETC ARSAEKTCKY EYEREETRQV YMDLNNNIEK MITAFEELRV QAENSRLEMH FKLKEDYEKI QHLEQEYKKE INDKEKQVSL LLIQITEKEN KMKDLTFLE ESRDKVNQLE EKTKLQSEN LKQSIEQHHL TKELEDIKVS LQRSVSTQKA LEEDLQIATK TICQLTEEKE TQMEESENKAR AAHSFVVTEF ETTVCSLEEL LRTEQQRLEK NEDQLKILTM ELQKKSSELE EMTKLTNNKE VELEELKKVL GEKETLLYEN KQFEKIAEEL KGTEQELIGL LQAREKEVHD LEIQLTAITT SEQYYSKEVK DLKTELENEK LKNTELTS HC NKLSLENKEL TQETS DMTLE LKNQQEDINN NKKQEERMLK QIENLQETET QLRNELEYVR EELKQKRDEV KCKLDKSEEN CNNLRKQVEN KNKYIEELQQ ENKALKKKGT AESKQLNVYE IKVKNLELEL ESAKQKFG EI TDTYQKEIED KKISEENLLE EVEKAKVIAD EAVKLQKEID KRCQHKAEM VALMEKHKHQ

Product Details

YDKIIERDS ELGLYKSKEQ EQSSLRASLE IELSNLKAEL LSVKKQLEIE REEKEKLRKRE
AKENTATLKE KKDKKTQTFLL ETPEIYWKL DSKAVPSQTV SRNFTSVDHG ISKDKRDYLLW
TSAKNTLSTP LPKAYTVKTP TKPKLQREN LNIPIEESKK KRKMAFEFDI NSDSSETTDL
LSMVSEETL KTLYRNNNPP ASHLCVKTPK KAPSSLTTPG STLKFGAIRK MREDRWAVIA
KMDRKKKLKE AEKLFV **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: SYCP1

Alternative Name: SYCP1 ([SYCP1 Products](#))

Background: Synaptonemal complex protein 1 (SCP-1) (Cancer/testis antigen 8) (CT8),FUNCTION: Major component of the transverse filaments of synaptonemal complexes, formed between homologous chromosomes during meiotic prophase. Required for normal assembly of the central element of the synaptonemal complexes. Required for normal centromere pairing

Target Details

during meiosis. Required for normal meiotic chromosome synapsis during oocyte and spermatocyte development and for normal male and female fertility.
{ECO:0000250|UniProtKB:Q62209}.

Molecular Weight: 114.2 kDa

UniProt: [Q15431](#)

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