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Datasheet for ABIN7556686
SYCP3 Protein (AA 1-254) (His tag)

Overview

Quantity:	1 mg
Target:	SYCP3
Protein Characteristics:	AA 1-254
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYCP3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Syp3 Protein expressed in mammalian cells.
Sequence:	MLRGCGSDSDS SPEPLSKHLK MVPGGRKHSG KSGKPPLVDQ PKKAFDFEKD DKDLSGSEED VADEKAPVID KHGKKRSAGI IEDVGGEVQN MLEKFGADIN KALLAKRKRI EMYTKASFKA SNQKIEQIWK TQEEIQKLN NEYSQQFMNV LQQWELDIQK FEEQGEKLSN LFRQQQKIFQ QSRIVQSQRM FAMKQIHEQF IKSLEDVEKN NDNLFTGTQS ELKKEMAMLQ KKVMMETQQQ EMANVRKSLQ SMLF 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: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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:	SYCP3
Alternative Name:	Sycp3 (SYCP3 Products)
Background:	Synaptonemal complex protein 3 (SCP-3),FUNCTION: Component of the synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase (PubMed:11311943, PubMed:22761579). Required for centromere pairing during meiosis in male germ cells (PubMed:22761579). Required for normal meiosis during spermatogenesis and male fertility (PubMed:10678170). Plays a lesser role in female fertility (PubMed:10678170, PubMed:12004129). Required for efficient phosphorylation of HORMAD1 and HORMAD2 (PubMed:22346761). {ECO:0000269 PubMed:10678170, ECO:0000269 PubMed:11311943, ECO:0000269 PubMed:12004129, ECO:0000269 PubMed:22346761, ECO:0000269 PubMed:22761579}.
Molecular Weight:	29.3 kDa
UniProt:	P70281

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

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
