

Datasheet for ABIN7546431
SPO11 Protein (AA 1-396) (His tag)



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Overview

Quantity:	1 mg
Target:	SPO11
Protein Characteristics:	AA 1-396
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPO11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SPO11 Protein expressed in mammalian cells.
Sequence:	MAFAPMGPEA SFFDVLDRHR ELLAALRRG GREPPTGGSR LASSEVLAS IENIIQDIIT SLARNEAPAF TIDNRSSWEN IKFEDSVGLQ MVSHCTTRKI KSDSPKSAQK FSLILKILSM IYKLVQSNTY ATKRDIYYTD SQLFGNQTVV DNIINDISCM LKVSRRSLHI LSTSKGLIAG NLRYIEEDGT KVNCTCGATA VAVPSNIQGI RNLVTDKAFV LIVEKDATFQ RLLDDNFCNK LSPCIMITGK GVPDLNTRLL VKKLWDTFHV PVFTLVADADP HGIEIMCIYK YGSMSMSFEA HHLTVP AIRW LGLLPSDLKR LNVPKDSLIP LTKRDQMKLD SILRRPYVTC QPFWRKEMEI MADSKMKAEI QALTFLSSDY LSRVYLPNKL KFGGWI 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.

Product Details

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:

SPO11

Alternative Name:

SPO11 ([SPO11 Products](#))

Background:

Meiotic recombination protein SPO11 (EC 5.6.2.2) (Cancer/testis antigen 35) (CT35),FUNCTION: Component of a topoisomerase 6 complex specifically required for meiotic recombination. Together with TOP6BL, mediates DNA cleavage that forms the double-strand breaks (DSB) that initiate meiotic recombination. The complex promotes relaxation of negative and positive supercoiled DNA and DNA decatenation through cleavage and ligation cycles. Essential for the phosphorylation of SMC3, HORMAD1 and HORMAD2. {ECO:0000250|UniProtKB:Q9WTK8}.

Molecular Weight:

44.5 kDa

UniProt:

[Q9Y5K1](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

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
