

Datasheet for ABIN7556156
ZNF541 Protein (AA 1-1346) (His tag)



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Overview

Quantity:	1 mg
Target:	ZNF541
Protein Characteristics:	AA 1-1346
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF541 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZNF541 Protein expressed in mammalian cells.
Sequence:	MDQYSLGDEG ALPSEMHLPS FSESQGLNCS DTLNRDLGPN TRGFLYAGLS GLDPDPSLPT PDMSSSEVLED NLDTLSLYSG KSDSVKLE EYADSESQAS LQDLGLGVLK AKEADEGGRA TSGSARKGKR QHSSPQNPLL DCSLCGKVFS SASSLSKHYL THSQERKHVC KICSKAFKRQ DHLTGHTMLTH QKTKPFVCIE QGCSKSYCDY RSLRRHYEVH HGLCILKEAP PEEEACGDSP HAHESAGQPP PSSLRSLVPP EARSPGSLLP HRDLLRRIVS SIVHQKTPSP GPAPAGASDS EGRNTACPCP ASSGSSSCTP AGPHAAPAAL DTELPEEPCL PQKEPATDVF TAPNSRAAEN GAPDPPEPEP DTALLQARST AECWPEGGSV PACLPLFRGQ TVPASSQPSS HSFQWLRNLP GCPKSKGNV FVVKPSAVP SREGSESGPG PSSGSPSEES PPGPGGGLED ALPFPALLR VPAEAPSDPR SASGEDPCA PKKVKVDCCS FLCQNPGEPL LQEAQKAGGL PADASPLFRQ LFLKSQEPLV SHEQMVFQFQ ITKSQRIFSH AQVAAVSSQL PAPEGKPAAL RPLQGPWPQQ PPPLAPAVDS LHAGPGNPEA EGSPARRRKT TPGVPREASP GSTRRDAKGG LKVAAVPTPL AAPSLDPSRN PDISSLAKQL RSSKGTLDLE DIFPSTGQRQ TQLGGEEPPG ASLPGKQAPA

ENGAASRITK GEKGPACSRG GGYRLLGNPR APRFSGFRKE KAKMDMCCAA SPSQVAMASF
SSAGPPADPS KSKLTIFSRI QGGNIYRLPH PVKEENVAGR GNQQNGSPTD WTKPRSTFVC
KNCSQMFYTE KGLSSHMCFH SDQWSPRGK QEPQVFGTEF CKPLRQVLRP EGDRHSPPGT
KKPLDPTAAA PLVVPQSIPV VPVTRHIGSM AMGQEKDGE RDSKESSQR KRKKRPPPST
AGEPGPAGCH QSRLRSPMFL VDCLLKGLFQ CSPYTTPPML SPIREGSGVY FNTLCSTSTQ
ASPDQLISSM LDQVDGSFGI CVVKDDTKIS IEPHINIGSR FQAEIPELQE RSLAGTDEHV
ASLVWKPWGD MMISSETQDR VTELCNVACS SVMPPGGTNL ELALHCLHEA QGNVQVALET
LLLRGPHKPR THLLADYRYT GSDVWTPIEK RLFKKAIFYAH KKDFYLIHKM IQTKTVAQCV
EYYYIWKKMI KFDCGRAPGL EKRVKREPEE VERTEEKVPC SPRERPSHHP TPKLKTYSYR
RESILSSSPN AGSKRTPPELL GSAESQGIFP CRECERVFDK IKSRNAHMKR HRLQDHVEPI
IRVKWPVKPF QLKEELGAD IGPLQW **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:	ZNF541
Alternative Name:	ZNF541 (ZNF541 Products)
Background:	Zinc finger protein 541,FUNCTION: Transcription regulator which is essential for male fertility and for the completion of meiotic prophase in spermatocytes. Regulates progression of the pachytene stage of meiotic prophase by activating the expression of genes involved in meiosis during spermatogenesis. Maintains the repression of pre-pachytene transcriptional programs, including meiotic double-strand breaks (DSB) formation genes in pachytene spermatocytes and suppresses aberrant DSB formation after mid-pachytene, thus ensuring meiosis progression. {ECO:0000250 UniProtKB:Q0GGX2}.
Molecular Weight:	145.6 kDa
UniProt:	Q9H0D2

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