

Datasheet for ABIN7545289
ZCWPW1 Protein (AA 1-648) (His tag)



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Overview

Quantity:	1 mg
Target:	ZCWPW1
Protein Characteristics:	AA 1-648
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZCWPW1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZCWPW1 Protein expressed in mammalian cells.
Sequence:	MMTTLQNKEE CGKGPKRIFA PPAQKSYSLL PCSPNSPKKE TPGISSPETE ARISLPKASL KKKEEKATMK NVPSREQEKK RKAQINKQAE KKEKEKSSLT NAEFEEIVQI VLQKSLQECL GMGSLDFAE TSQAQPVVST QSDKEPGITA SATDTDNANG EEPHTQEIS VSWEGEAAPE IRTSKLGQPD PAPSKKSNR LTLSKRKKEA HEKVEKTQGG HEHRQEDRLK KTVQDHSQIR DQQKGEISGF GQCLVWVQCS FPNCGKWRRRL CGNIDPSVLP DNWSCDQNTD VQYNRCDIPE ETWTGLESDV AYASYIPGSI IWAKQYGYPW WPGMIESDPD LGEYFLFTSH LDSLPSKYHV TFFGETVSRA WIPVNMLKNF QELSLELSVM KKRRNDCSQK LGVALMMAQE AEQISIQERV NLFGFWSRFN GSNSNGERKD LQLSGLNSPG SCLEKKEKEE ELEKEEGEKT DPILPIRKR KIQTQTKPR GLGGDAGTAD GRGRTLQRKI MKRSLGRKST APPAPRMGRK EGQGNSDSDQ PGPKKKFKAP QSKALAASFS EGKEVRTVPK NLGLSACKGA CPSSAKEEPR HREPLTQEAG SVPLEDEASS DLDLEQLMED VGRELGQSGE LQHSNSDGED FPVALFGK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a

Product Details

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: ZCWPW1

Alternative Name: ZCWPW1 ([ZCWPW1 Products](#))

Background: Zinc finger CW-type PWWP domain protein 1,FUNCTION: Dual histone methylation reader specific for PRDM9-catalyzed histone marks (H3K4me3 and H3K36me3) (PubMed:32744506, PubMed:20826339). Facilitates the repair of PRDM9-induced meiotic double-strand breaks (DSBs) (By similarity). Essential for male fertility and spermatogenesis (By similarity). Required for meiosis prophase I progression in male but not in female germ cells (By similarity). {ECO:0000250|UniProtKB:Q6IR42, ECO:0000269|PubMed:20826339, ECO:0000269|PubMed:32744506}.

Molecular Weight: 72.0 kDa

Target Details

UniProt: [Q9H0M4](#)

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