

Datasheet for ABIN7559520
PHF13 Protein (AA 1-296) (His tag)



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Overview

Quantity:	1 mg
Target:	PHF13
Protein Characteristics:	AA 1-296
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHF13 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Phf13 Protein expressed in mammalian cells.
Sequence:	MDSDSCAAAF HPEEYSPTCK RRRTVEDFNK FCTFVLAYAG YIPYPKEELP LRSSPSPANS TAGTIDSDGW DTGFSDITPS VPDRCFSHLQ PSLLRQAKPS NYLLDRKTTD KLKKKKRRKR RDS DIPVKEG FRESLLKLEA ADPYVETPSS PTMQDIPQAS ADPCSGWDS D TPSSGSCATV SPDQVTEIKT EGKRTIVRQG KQVFRDEDS TGNDDEDIMVD SDDDSWDLVT CFCMKPFAGR PMIECNECHT WIHLSCAKIR KSNVPEVFVC QKCRDSKFDI RRSNRSRMGS RKLFLD 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:

Product Details

- 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:	PHF13
Alternative Name:	Phf13 (PHF13 Products)
Background:	PHD finger protein 13,FUNCTION: Modulates chromatin structure and DNA damage response by regulating key determinants of chromatin compaction and DNA damage response. Binds H3K4me3-containing chromatin and promotes DNA condensation by recruiting corepressors such as TRIM28 and H3K9 methyltransferase SETDB1. Required for normal chromosome condensation during the early stages of mitosis. Required for normal chromosome separation during mitosis. Increases both chromatin-associated levels and activity of H3K9 methyltransferases, such as SETDB1, thus enhancing H3K9 trimethylation (By similarity). Essential for testicular stem-cell differentiation and sustained spermatogenesis (PubMed:21852425). {ECO:0000250 UniProtKB:Q86Y18, ECO:0000269 PubMed:21852425}.
Molecular Weight:	33.4 kDa
UniProt:	Q8K2W6

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
