

Datasheet for ABIN7554949
PHF21A Protein (AA 1-680) (His tag)



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Overview

Quantity:	1 mg
Target:	PHF21A
Protein Characteristics:	AA 1-680
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHF21A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PHF21A Protein expressed in mammalian cells.
Sequence:	MELQTLQEAL KVEIQVHQKL VAQMKQDPQN ADLKKQLHEL QAKITALSEK QKRVEQLRK NLIVKQEQPD KFQIQPLPQS ENKLQTAQQQ PLQQLQQQQQ YHHHHAQQSA AASPNTASQ KTVTTASMIT TKTLPLVLKA ATATMPASV V GQRPTIAMVT AINSQKAVLS TDVQNTPVNL QTSSKVTGPG AEAQIVAKN TVTLVQATPP QPIKVPQFIP PPRLTPRPNF LPQVRPKPVA QNNIPIAPAP PPMLAAPQLI QRPVMLTKFT PTTLPTSQNS IHPVRVVGQ TATIAKTFPM AQLTSIVIAT PGTRLGPQT VQLSKPSLEK QTVKSHTETD EKQTESRTIT PPAAPKPKRE ENPQKLAFMV SLGLVTHDHL EEIQSKRQER KRRTTANPVY SGAVFEPERK KSAVTYLNST MHPGTRKRGR PPKYNAVLGF GALTPTSPQS SHPDSPENEK TETTFTFPAP VQPVSLPSPT STDGDIHEDF CSVCRKSGQL LMCDTCSR VY HLDCLDPPLK TIPKGMWICP RCQDQMLKKE EAIPWPGTLA IVHSYIAYKA AKEEEKQKLL KWSSDLKQER EQLEQKVKQL SNSISKMEM KNTILARQKE MHSSLEKVKQ LIRLIHGIDL SKPVDSEATV GAISNGPDCT PPANAATSTP APSPSSQSCT ANCNQGEETK Sequence without tag. The proposed Purification-Tag is based

Product Details

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: PHF21A

Alternative Name: PHF21A ([PHF21A Products](#))

Background: PHD finger protein 21A (BHC80a) (BRAFF35-HDAC complex protein BHC80),FUNCTION: Component of the BHC complex, a corepressor complex that represses transcription of neuron-specific genes in non-neuronal cells. The BHC complex is recruited at RE1/NRSE sites by REST and acts by deacetylating and demethylating specific sites on histones, thereby acting as a chromatin modifier. In the BHC complex, it may act as a scaffold. Inhibits KDM1A-mediated demethylation of 'Lys-4' of histone H3 in vitro, suggesting a role in demethylation regulation. {ECO:0000269|PubMed:16140033}.

Molecular Weight: 74.9 kDa

Target Details

UniProt: [Q96BD5](#)

Pathways: [Feeding Behaviour](#)

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