

Datasheet for ABIN7545270
ZNF410 Protein (AA 1-478) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ZNF410
Protein Characteristics:	AA 1-478
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZNF410 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZNF410 Protein expressed in mammalian cells.
Sequence:	<p>MLSDELESKP ELLVQFVQNT SIPLGQGLVE SEAKDITCLS LLPVTEASEC SRLMLPDDTT NHSNSSKEVP SSAVLRSLRV NVGPDGEETR AQTVQKSPEF LSTSESSLL QDLQPSDSTS FILLNLTRAG LGSSAEHLVF VQDEAEDSGN DFLSSESTDS SIPWFLRVQE LAHDSLIAAT RAQLAKNAKT SSNGENVHLG SGDGQSKDSG PLPQVEKKLK CTVEGCDRTF VWPAHFKYHL KTHRNDRSFI CPAEGCGKSF YVLQRLKVHM RTHNGEKPFM CHESGCGKQF TTAGNLKNHR RIHTGKPFPL CEAQGCGRSF AEYSSLRKHL VVHSGEKPHQ CQVCGKTF SQSGSRNVHMRK HHLQLGAAGS QEQEQTAEPL MGSSLLEEAS VPSKNLVSMN SQPSLGGESL NLPNTNSILG VDDEVLAEGS PRSLSSVPDV THHLVTMQSG RQSYEVSVLT AVNPQELLNQ GDLTERRT</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

ZNF410

Alternative Name:

ZNF410 ([ZNF410 Products](#))

Background:

Zinc finger protein 410 (Another partner for ARF 1),FUNCTION: Transcription factor that binds to the sequence motif 5'-CATCCCATATAATA-3', and is specifically required to silence expression of fetal hemoglobin in adult erythroid cells (PubMed:33859416, PubMed:33301730). Prevents expression of fetal hemoglobin genes HBG1 and HBG2 through CHD4: acts as a direct transcriptional activator of CHD4, a central component of the NuRD complex that represses transcription of fetal hemoglobin genes HBG1 and HBG2 in erythroid cells (PubMed:33859416, PubMed:33301730). May also activate transcription of matrix-remodeling genes such as MMP1 during fibroblast senescence (PubMed:12370286). May activate transcription of the gap junction gene GJC1, perhaps in response to increasing glucose (PubMed:30078215). However, recent studies suggest that ZNF410 is dedicated to regulate expression of a single gene: CHD4 (PubMed:33859416, PubMed:33301730). {ECO:0000269|PubMed:12370286, ECO:0000269|PubMed:30078215, ECO:0000269|PubMed:33301730,

Target Details

ECO:0000269|PubMed:33859416}.

Molecular Weight: 52.1 kDa

UniProt: [Q86VK4](#)

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