

Datasheet for ABIN7557816
NHLH2 Protein (AA 1-135) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NHLH2
Protein Characteristics:	AA 1-135
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NHLH2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Nhlh2 Protein expressed in mammalien cells.
Sequence:	<p>MMLSPDQAAD SDHPSSTHSD PESLGGADTK VLGSVSDLEP VEEADGDGKG GSRAALYPHP</p> <p>QQLSREEKRR RRRATAKYRS AHATRERIRV EAFNLAFael RkLLPTLPPD KkLSKIEILR</p> <p>LAICYISYLN HVLDV 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>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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).

Product Details

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, Western Blot

Grade: custom-made

Target Details

Target: NHLH2

Alternative Name: Nhlh2 ([NHLH2 Products](#))

Background: Helix-loop-helix protein 2 (HEN-2) (Nescient helix loop helix 2) (NSCL-2),FUNCTION: Transcription factor which binds the E box motif 5'-CA[TC][AG]TG-3' (PubMed:15470499, PubMed:18356286). Involved in regulating energy expenditure, body mass, voluntary physical activity, mating behavior and reproductive longevity, acting through the hypothalamic-pituitary-gonadal axis (PubMed:15470499, PubMed:12419415, PubMed:9090387, PubMed:17717072, PubMed:23785158, PubMed:15465527). Acts as a transcriptional activator of target genes, including Ndn, Pcsk1, Mc4r (PubMed:15470499, PubMed:18356286, PubMed:21664420). Is also a transcriptional activator of KISS1 (By similarity). May act centrally to regulate function of both white and brown adipose tissue (PubMed:20808804, PubMed:19436734). Together with NHLH1, required to maintain migration and survival of cells in the anterior extramural migration stream (aes), which forms the precerebellar nuclei (PubMed:17573818). Also, in concert with Nhlh1, may determine fate of gonadotropin releasing hormone-1 (GnRH-1) neurons (PubMed:15470499). {ECO:0000250|UniProtKB:Q02577, ECO:0000269|PubMed:12419415, ECO:0000269|PubMed:15465527, ECO:0000269|PubMed:15470499, ECO:0000269|PubMed:17573818, ECO:0000269|PubMed:17717072, ECO:0000269|PubMed:18356286, ECO:0000269|PubMed:19436734, ECO:0000269|PubMed:20808804, ECO:0000269|PubMed:21664420, ECO:0000269|PubMed:23785158, ECO:0000269|PubMed:9090387}.

Target Details

Molecular Weight: 15.0 kDa

UniProt: [Q64221](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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