

Datasheet for ABIN7562198
NFIL3 Protein (AA 1-462) (His tag)



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Overview

Quantity:	1 mg
Target:	NFIL3
Protein Characteristics:	AA 1-462
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFIL3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Nfil3 Protein expressed in mammalian cells.
Sequence:	<p> MQLRKMQTIK KEPAPLDPTS SSDKMLLLNS ALAEVAEDLA SGEDLLLNEG SMGKNKSSAC RRKREFIPDE KKDAMYWEKR RKNNEAAKRS REKRRLNDLV LENKLIALGE ENATLKAELL SLKLKFLGIS STAYAQEIQK LSNSTAVYFQ DYQTSKAAVS SFVDEHEPAM VAGSCISVIK HSPQSSLSDV SEVSSVEHTQ ESPAQGGCRS PENKFPVIKQ EPVELESFAR EAREERGTYT TSIYQSYMGS SFSTYSHSPP LLQVHGSTSN SPRTSEADEG VVGKSSDGED EQQVPGKPIH SPVELQRVHA TVVKVPEVNP SALPHKLRIK AKAMQVKVEA LDSEFEGMQK LSSPADAIK RHFDELEKHTG SGMAHSSLPP FSVQVTNIQD WSLKSEHWHH KELSSKTQSS FKTGVVEVKD GGYKVSEAEN LYLKQGIANL SAEVSLKRF IATQPISASD SR </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>

Product Details

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, Western Blot

Grade:

custom-made

Target Details

Target:

NFIL3

Alternative Name:

Nfil3 ([NFIL3 Products](#))

Background:

Nuclear factor interleukin-3-regulated protein (E4 promoter-binding protein 4) (Embryo implantation-related NFIL3/E4BP4-like transcription factor),FUNCTION: Acts as a transcriptional regulator that recognizes and binds to the sequence 5'-[GA]TTA[CT]GTAA[CT]-3', a sequence present in many cellular and viral promoters. Represses transcription from promoters with activating transcription factor (ATF) sites (By similarity). Represses promoter activity in osteoblasts. Represses transcriptional activity of PER1. Represses transcriptional activity of PER2 via the B-site on the promoter. Activates transcription from the interleukin-3 promoter in T-cells (By similarity). Competes for the same consensus-binding site with PAR DNA-binding factors (DBP, HLF and TEF). Component of the circadian clock that acts as a negative regulator for the circadian expression of PER2 oscillation in the cell-autonomous core clock. Protects pro-B cells from programmed cell death. Represses the transcription of CYP2A5 (PubMed:30555544). Positively regulates the expression and activity of CES2 by antagonizing the repressive action of NR1D1 on CES2 (PubMed:29653076). Required for the development of

Target Details

	natural killer cell precursors (PubMed:32190943). {ECO:0000250 UniProtKB:Q16649, ECO:0000269 PubMed:11316793, ECO:0000269 PubMed:15087429, ECO:0000269 PubMed:17182630, ECO:0000269 PubMed:29653076, ECO:0000269 PubMed:30555544, ECO:0000269 PubMed:32190943, ECO:0000269 PubMed:9122243}.
Molecular Weight:	50.9 kDa
UniProt:	O08750

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