

Datasheet for ABIN7564413
NHLRC1 Protein (AA 1-401) (His tag)



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Overview

Quantity:	1 mg
Target:	NHLRC1
Protein Characteristics:	AA 1-401
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NHLRC1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Nhlc1 Protein expressed in mammalien cells.
Sequence:	<p>MGEEATAVAAA AGVRPELVRE AEVSLLECKV CFERFGHWQQ RRPRNLPCGH VVCLACVAAL AHPRTLGLEC PFCRRACRAC DTSDCLPVLH LLELLGSTLH ASPAALSAAP FAPGTLTCYH AFGGWGTLVN PTGLALCPKT GRVVVVHDGK RRVKIFDSGG GGAHQFGEKG DAAHDVKYPL DVAVTNDCHV VVTDAGDCSL KVFDFFGQIK LVVGKQFSLP WGVEITPHNG VLVTDAEAGT LHLLEADFPE GVLRRIERLQ AHLCSPRGLA VSWLTGAIIV LEHPCAFGRT GCNNTRVKVF NSTMQLIGQV DSFGLNLLFP SKVTASAVTF DHQGNVIVAD TSGPAIVCLG KPEEFPALKP IITHGLSRPV ALAFTKENSL LVLDTASHSI KVFKVMEGNG G 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:	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, Western Blot

Grade: custom-made

Target Details

Target: NHLRC1

Alternative Name: Nhlrc1 ([NHLRC1 Products](#))

Background: E3 ubiquitin-protein ligase NHLRC1 (EC 2.3.2.27) (Malin) (NHL repeat-containing protein 1) (RING-type E3 ubiquitin transferase NHLRC1),FUNCTION: E3 ubiquitin-protein ligase. Together with the phosphatase EPM2A/laforin, appears to be involved in the clearance of toxic polyglucosan and protein aggregates via multiple pathways. In complex with EPM2A/laforin and HSP70, suppresses the cellular toxicity of misfolded proteins by promoting their degradation through the ubiquitin-proteasome system (UPS). Ubiquitinates the glycogen-targeting protein phosphatase subunits PPP1R3C/PTG and PPP1R3D in a laforin-dependent manner and targets them for proteasome-dependent degradation, thus decreasing glycogen accumulation. Polyubiquitinates EPM2A/laforin and ubiquitinates AGL and targets them for proteasome-dependent degradation. Also promotes proteasome-independent protein degradation through the macroautophagy pathway. {ECO:0000269|PubMed:19036738, ECO:0000269|PubMed:21077101, ECO:0000269|PubMed:22186026, ECO:0000269|PubMed:22669944}.

Molecular Weight: 42.7 kDa

Target Details

UniProt: [Q8BR37](#)

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