

Datasheet for ABIN7564536  
**NLRP10 Protein (AA 1-673) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	NLRP10
Protein Characteristics:	AA 1-673
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NLRP10 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Nlrp10 Protein expressed in mammalien cells.
Sequence:	<p>MALARANSPQ EALLWALNDL EENSFKTLKF HLRDVTQFHL ARGELESLSQ VDLASKLISM            YGAQEA VRVV SRSL LAMNLM ELVDYLNQVC LNDYREIYRE HVRCL EERQD WGVNSSHNKL            LLMATSSSGG RRS PSCSDLE QELDPVDVET LFAPEAESYS TPPIVVMQGS AGTGKTTLVK            KLVQDWSK GK LYPGQFDYVF YVSCREVVLL PKCDLPNLIC WCCGDDQAPV TEILRQPGR L            LFILDGYDEL QKSSRAECVL HILMRRREVP CSLLITRPP ALQSLEPMLG ERRHVLVLGF            SEEERETYFS SCFTDKEQLK NALEFVQNNA VLYKACQVPG ICWVVC SWLK KKMARGQEV S            ETPSNSTDIF TAYVSTFLPT DGN GDSS ELT RHKVLKSLCS LAAEGMRHQ R LLFEEEVLRK            HGLDGPSLTA FLNCIDYRAG LGIKKFY SFR HISFQEFFYA MSFLVKEDQS QQGEATHKEV            AKLVDPENHE EVTSLQLFL DMLKTEG TLS LGLKFCFRIA PSVRQDLKHF KEQIEAIKYK            RSWDLEFSLY DSKIKKLTQG IQMKDVILNV QHLDEK KSDK KKS SVTSSS SSGKVQSPFL            GNDKSTRKQK KASNGKSRGA EEPAPGVRNR R LASREKGHM EMNDKEDGGV EEQEDEEGQT</p>

LKKDGE MIDK MNG **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.**

### 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:

NLRP10

### Alternative Name:

Nlrp10 ([NLRP10 Products](#))

### Background:

NACHT, LRR and PYD domains-containing protein 10, FUNCTION: Inhibits autoprocessing of CASP1, CASP1-dependent IL1B secretion, PYCARD aggregation and PYCARD-mediated apoptosis but not apoptosis induced by FAS or BID (By similarity). Displays anti-inflammatory activity (By similarity). Required for immunity against C.albicans infection (PubMed:23071280). Involved in the innate immune response by contributing to pro-inflammatory cytokine release in response to invasive bacterial infection (By similarity). Contributes to T-cell-mediated inflammatory responses in the skin (PubMed:27221772). Plays a role in protection against periodontitis through its involvement in induction of IL1A via ERK activation in oral epithelial cells infected with periodontal pathogens (By similarity). Exhibits both ATPase and GTPase activities (By similarity). {ECO:0000250|UniProtKB:Q86W26, ECO:0000269|PubMed:23071280,

## Target Details

---

ECO:0000269|PubMed:27221772}.

Molecular Weight: 76.4 kDa

UniProt: [Q8CCN1](#)

Pathways: [Inflammasome](#)

## 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