

Datasheet for ABIN7554662  
**NLRP7 Protein (AA 1-980) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NLRP7
Protein Characteristics:	AA 1-980
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NLRP7 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant NLRP7 Protein expressed in mammalian cells.
Sequence:	MTSPQLEWTL QTLLEQLNED ELKSFKSLW AFPLEDVLQK TPWSEVEEAD GKKLAEILVN TSENWIRNA TVNILEEMNL TELCKMAKAE MMEDGQVQEI DNPGLDAEE DSELAKPGEK EGWRNSMEKQ SLVWKNTFWQ GDIDNFHDDV TLRNQRFIPF LNPRTPRKLT PYTVVLHGPA GVGKTTLAKK CMLDWTDCNL SPTLRYAFYL SCKELSRMGP CSFAELISKD WPELQDDIPS ILAQAQRILF VVDGLDELKV PPGALIQDIC GDWEKKKVPV VLLGSLLKRK MLPRAALLVT TRPRALRDQ LLAQQPIYVR VEGFLEEDRR AYFLRHFGDE DQAMRAFELM RSNAALFQLG SAPAVCWIVC TTLKLQMEKG EDPVPTCLTR TGLFLRFLCS RFPQGAQLRG ALRTLSLLAA QGLWAQMSVF HREDLERLGV QESDLRFLD GDILRQDRVS KGCYSFIHLS FQQFLTALFY ALEKEEGEDR DGHAWDIGDV QKLLSGEERL KNPDLIQVGH FLFLGLANEKR AKELEATFGC RMSPDIKQEL LQCKAHLHAN KPLSVTDLKE VLGCLYESQE EELAKVVVAP FKEISHLTN TSEVMHCSFS LKHCQDLQKL SLQVAKGVFL ENYMDFELDI EFERCTYLT I PNWARQDLRS LRLWTFDCSL FSSNSNLKFL EVKQSFLSDS SVRILCDHVT RSTCHLQKVE IKNVTPDTAY

## Product Details

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RDFCLAFIGK KTLTHLTLAG HIEWERTMML MLCDLLRNHK CNLQYLRLGG HCATPEQWAE  
FFYVLKANQS LKHLRLSANV LLDEGAMLLY KTMTRPKHFL QMLSLENCRL TEASCKDLAA  
VLVSKKLTH LCLAKNPIGD TGVKFLCEGL SYPDCKLQTL VLQQCSITKL GCRYLSEALQ  
EACSLTNLDL SINQIARGLW ILCQALEPN CNLKHLRLKT YETNLEIKKL LEEVKEKNPK  
LTIDCNASGA TAPPCCDFFC **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.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different 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

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**Target:** NLRP7

**Alternative Name:** NLRP7 ([NLRP7 Products](#))

**Background:** NACHT, LRR and PYD domains-containing protein 7 (Nucleotide-binding oligomerization domain protein 12) (PYRIN-containing APAF1-like protein 3),FUNCTION: Inhibits CASP1/caspase-1-dependent IL1B secretion. {ECO:0000269|PubMed:15817483}.

## Target Details

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Molecular Weight: 111.8 kDa

UniProt: [Q8WX94](#)

Pathways: [Inflammasome](#)

## Application Details

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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

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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