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Datasheet for ABIN7564353  
**RNF41 Protein (AA 1-317) (His tag)**

## Overview

Quantity:	1 mg
Target:	RNF41
Protein Characteristics:	AA 1-317
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF41 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Rnf41 Protein expressed in mammalian cells.
Sequence:	MGYDVTRFQG DVDEDLICPI CSGVLEEPVQ APHCEHAFCN ACITQWFSQQ QTCPVDRSVV TVAHLRPVPR IMRNMLSKLQ IACDNAVFGC SAVVRLDNLM SHLSDCEHNP KRPVTCEQGC GLEMPKDELP NHNCIKHLRS VVQQQSRIA ELEKTSAEHK HQLAEQKRDI QLLKAYMRAI RSVNPNLQNL EETIEYNEIL EWVNSLQPAR VTRWGGMIST PDAVLQAVIK RSLVESGCPA SIVNELIENA HERSWPQGLA TLETRQMNRR YYENYVAKRI PGKQAVVMA CENQHMGDDM VQEPGLVMIF AHGVVEI <b>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.</b>
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:

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	RNF41
Alternative Name:	Rnf41 ( <a href="#">RNF41 Products</a> )
Background:	E3 ubiquitin-protein ligase NRDP1 (EC 2.3.2.27) (RING finger protein 41) (RING-type E3 ubiquitin transferase NRDP1),FUNCTION: Acts as E3 ubiquitin-protein ligase and regulates the degradation of target proteins. Polyubiquitinates MYD88 (By similarity). Negatively regulates MYD88-dependent production of pro-inflammatory cytokines. Can promote TRIF-dependent production of type I interferon and inhibits infection with vesicular stomatitis virus. Promotes also activation of TBK1 and IRF3 (PubMed:19483718). Involved in the ubiquitination of erythropoietin (EPO) and interleukin-3 (IL-3) receptors. Thus, through maintaining basal levels of cytokine receptors, RNF41 is involved in the control of hematopoietic progenitor cell differentiation into myeloerythroid lineages (PubMed:18495327). Contributes to the maintenance of steady-state ERBB3 levels by mediating its growth factor-independent degradation. Involved in the degradation of the inhibitor of apoptosis BIRC6 and thus is an important regulator of cell death by promoting apoptosis. Acts also as a PRKN modifier that accelerates its degradation, resulting in a reduction of PRKN activity, influencing the balance of intracellular redox state. The RNF41-PRKN pathway regulates autophagosome-lysosome

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## Target Details

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fusion during late mitophagy. Mitophagy is a selective form of autophagy necessary for mitochondrial quality control (PubMed:24949970). {ECO:0000250, ECO:0000269|PubMed:18495327, ECO:0000269|PubMed:19483718, ECO:0000269|PubMed:24949970}.

Molecular Weight: 35.9 kDa

UniProt: [Q8BH75](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

## 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