

Datasheet for ABIN7549737

## NDFIP2 Protein (AA 1-336) (His tag)



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### Overview

Quantity:	1 mg
Target:	NDFIP2
Protein Characteristics:	AA 1-336
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NDFIP2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat NDFIP2 Protein expressed in mammalian cells.
Sequence:	<p>MARRRSQRVC ASGPSMLNSA RGAPELLRGT ATNAEVSAAA AGATGSEELP PGDRGCRNGG</p> <p>GRGPAATTSS TGVAVGAEHG EDSL SRKPDP EPGRMDHHQP GTGRYQVLLN EEDNSESSAI</p> <p>EQPPTSNPAP QIVQAASSAP ALETDSPPP YSSITVEVPT TSDTEVYGEF YPVPPPYSVA</p> <p>TSLPTYDEAE KAKAAAMAAA AAETSQRIQE EECPPRDDFS DADQLRVGND GIFMLAFFMA</p> <p>FIFNWLGFCL SFCITNTIAG RYGAICGFGL SLIKWILIVR FSDYFTGYFN GQYWLWWIFL</p> <p>VLGLLFFRG FVNYLKVRNM SESMAAAHRT RYFFLL <b>Sequence without tag. The proposed</b></p> <p><b>Purification-Tag is based on experiences with the expression system, a different complexity</b></p> <p><b>of the protein could make another tag necessary. In case you have a special request, please</b></p> <p><b>contact us.</b></p>
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, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	NDFIP2
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Alternative Name:	NDFIP2 ( <a href="#">NDFIP2 Products</a> )
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Background:	<p>NEDD4 family-interacting protein 2 (NEDD4 WW domain-binding protein 5A) (Putative MAPK-activating protein PM04/PM05/PM06/PM07) (Putative NF-kappa-B-activating protein 413),FUNCTION: Activates HECT domain-containing E3 ubiquitin-protein ligases, including ITCH, NEDD4, NEDD4L, SMURF2, WWP1 and WWP2, and consequently modulates the stability of their targets. As a result, may control many cellular processes. Recruits ITCH, NEDD4 and SMURF2 to endosomal membranes. Negatively regulates KCNH2 potassium channel activity by decreasing its cell-surface expression and interfering with channel maturation through recruitment of NEDD4L to the Golgi apparatus and multivesicular body where it mediates KCNH2 degradation (PubMed:26363003). May modulate EGFR signaling. Together with NDFIP1, limits the cytokine signaling and expansion of effector Th2 T-cells by promoting degradation of JAK1, probably by ITCH- and NEDD4L-mediated ubiquitination (By similarity). {ECO:0000250 UniProtKB:Q91ZP6, ECO:0000269 PubMed:12761501, ECO:0000269 PubMed:19343052, ECO:0000269 PubMed:20534535, ECO:0000269 PubMed:26363003}.</p>
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## Target Details

Molecular Weight:	36.4 kDa
UniProt:	<a href="#">Q9NV92</a>
Pathways:	<a href="#">Negative Regulation of Transporter Activity, SARS-CoV-2 Protein Interactome</a>

## 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