

Datasheet for ABIN7563986  
**IFIT3 Protein (AA 1-403) (His tag)**



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## Overview

Quantity:	1 mg
Target:	IFIT3
Protein Characteristics:	AA 1-403
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFIT3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ifit3 Protein expressed in mammalian cells.
Sequence:	MSEVNRESLE AILPQLKCHF TWNLFREGSM SSHMEDRVCN QVEHLNSEEK ATMYDLLAYI KHLDGESKAA LECLGQAEDL RKSEHNDQSE IRRRLVTWGN YAWIYYHMGR LSEAQAYVDKV RQVCQKFANP YSMECELEC EEGWTRLKCG RNERAKMCFE KALEEKPKDP ECSSGMAIAM FRLEEKPEKQ FSDALKQAM ELNPQNQYLK VLLALKLLRM GEEAEGERLI KDALGKAPNQ TDVLQKAAQF YKKKGNLDRA IELLGKALRS TVNNSPLYSL VMCRYREILE QLQNKGDADS SERRQRMAEL RRLTMEFMQK TLQRRRSPLN SYSDLIDFPE VERCYQMVIS KESPDVEEED LYERYCNLQE YHRKSEDLAA LECLLQFPRN ERSIEKEEVK EQT <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.

## Product Details

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### 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.

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### Purity:

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

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### Grade:

custom-made

## Target Details

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### Target:

IFIT3

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### Alternative Name:

Ifit3 ([IFIT3 Products](#))

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### Background:

Interferon-induced protein with tetratricopeptide repeats 3 (IFIT-3) (Glucocorticoid-attenuated response gene 49 protein) (GARG-49) (P49) (IRG2),FUNCTION: IFN-induced antiviral protein which acts as an inhibitor of cellular as well as viral processes, cell migration, proliferation, signaling, and viral replication. Enhances MAVS-mediated host antiviral responses by serving as an adapter bridging TBK1 to MAVS which leads to the activation of TBK1 and phosphorylation of IRF3 and phosphorylated IRF3 translocates into nucleus to promote antiviral gene transcription. Exhibits an antiproliferative activity via the up-regulation of cell cycle negative regulators CDKN1A/p21 and CDKN1B/p27. Normally, CDKN1B/p27 turnover is regulated by COPS5, which binds CDKN1B/p27 in the nucleus and exports it to the cytoplasm for ubiquitin-dependent degradation. IFIT3 sequesters COPS5 in the cytoplasm, thereby increasing nuclear CDKN1B/p27 protein levels. Up-regulates CDKN1A/p21 by down-regulating MYC, a repressor of CDKN1A/p21. Can negatively regulate the apoptotic effects of IFIT2 (By similarity). {ECO:0000250}.

## Target Details

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Molecular Weight: 47.2 kDa

UniProt: [Q64345](#)

## 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