

Datasheet for ABIN7554141
IFIT3 Protein (AA 1-490) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	IFIT3
Protein Characteristics:	AA 1-490
Origin:	Human
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:	MSEVTKNSLE KILPQLKCHF TWNLFKEDSV SRDLEDRV CN QIEFLNTEFK ATMYNLLAYI KHL DGNNEAA LECLRQAEEL IQQEHADQAE IRSLV TWGNY AWVYYHLGRL SDAQIYVDKV KQTCKKFSNP YSIEYSELDC EEGWTQLKCG RNERAKVCFE KALEEKPN NP EFSSGLAIAM YHLDNHPEKQ FSTDVLKQAI ELSPDNQYVK VLLGLKLQKM NKEAEGEQFV EEALEKSPCQ TDVLRSAAKF YRRKGDLDKA IELFQRVLES TPNNGYLYHQ IGCCYKAKVR QMQNTGESEA SGNKEMIEAL KQYAMDYSNK ALEKGLNPLN AYSDLAEFLE TECYQTPFNK EVPDAEKQQS HQRYCNLQKY NGKSEDTAVQ HGLEGLSISK KSTDKEEIKD QPQNVSE NLL PQNAPNYWYL QGLIHKQNGD LLQAAKCYEK ELGRLLRDAP SGIGSIFLSA SELEDGSEEM GQGAVSSSPR ELLSNSEQLN 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

Product Details

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

Target:

IFIT3

Alternative Name:

IFIT3 ([IFIT3 Products](#))

Background:

Interferon-induced protein with tetratricopeptide repeats 3 (IFIT-3) (CIG49) (ISG-60) (Interferon-induced 60 kDa protein) (IFI-60K) (Interferon-induced protein with tetratricopeptide repeats 4) (IFIT-4) (Retinoic acid-induced gene G protein) (P60) (RIG-G),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

Target Details

MYC, a repressor of CDKN1A/p21. Can negatively regulate the apoptotic effects of IFIT2.
{ECO:0000269|PubMed:17050680, ECO:0000269|PubMed:20686046,
ECO:0000269|PubMed:21190939, ECO:0000269|PubMed:21642987,
ECO:0000269|PubMed:21813773}.

Molecular Weight: 56.0 kDa

UniProt: [O14879](#)

Application Details

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

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