

Datasheet for ABIN7564934  
**IFI44L Protein (AA 1-447) (His tag)**



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## Overview

Quantity:	1 mg
Target:	IFI44L
Protein Characteristics:	AA 1-447
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFI44L protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ifi44l Protein expressed in mammalian cells.
Sequence:	<p>MKVTARLTIWEEKILEKLLGNASLTLLYQSSAHKNCVSEM TQKYSLQGSTMTVFHLEKDV VVGVFILNFRLLVSEKPCPCAWFSLKRNNSSGISALFLN TKVIVDSEELIIFSLDGLSL SVTPLRGFTLALNDTVMNGL ELNLGHGFLPVECEIFRVDG IKKNPSFIKKMVTAEQHRGK LLSALRAYKPYKDLVSEVRI LLVGPVGS GKSSFFNSVKSA FQGHLTRQAI VGSDESSITK QYRVYSIKDGKSGETLPFML CDSMGLLEEGE EAGLCIDDIP HILQGCVPDR YQFNPCPEMK PKHSPHAASP PLKDRIHCVA FVLHINSVNT LSDKMVAKLK KIRKDVDCG IGYVALLTNV EEYDEVLDLDDSFANMTETVTS LSQVQNVQKW LNIPIANILM VSNYASERRL EPMKDILVFA ALRQMLRAAD DALEDLPLED TGNLAPF</p> <p><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></p>
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:

IFI44L

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### Alternative Name:

Ifi44l ([IFI44L Products](#))

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### Background:

Interferon-induced protein 44-like [Cleaved into: Minor histocompatibility antigen HA-28 (HLA-HA28) (IFL8)],FUNCTION: Type I interferon-stimulated gene (ISG) that plays a critical role in antiviral and antibacterial activity. During bacterial infection, promotes macrophage differentiation and facilitates inflammatory cytokine secretion (By similarity). Plays a role in the control of respiratory syncycial virus/RSV infection, reducing the ability of the virus to replicate (PubMed:32611756). Acts as a feedback regulator of IFN responses by negatively regulating IKKB kinase activity through interaction with FKBP5 (By similarity). {ECO:0000250|UniProtKB:Q53G44, ECO:0000269|PubMed:32611756}., FUNCTION: Precursor of the histocompatibility antigen HA-28 in BALB.B mice. More generally, minor histocompatibility antigens refer to immunogenic peptide which, when complexed with MHC, can generate an immune response after recognition by specific T-cells. The peptides are derived from polymorphic intracellular proteins, which are cleaved by normal pathways of antigen processing. The binding of these peptides to MHC molecules and its expression on the cell

## Target Details

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surface can stimulate T-cell responses and thereby trigger graft rejection or graft-versus-host disease (GVHD). More specifically, HA-28 minor antigen is transcribed in the BALB.B donor but not in host C57BL/6 cells. HA-28 is presented to the donor BALB.B cell surface by Kb MHC. This complex HA-28/Kb MHC elicits cytotoxic T-cell response in C57BL/6 mice immunized with BALB.B spleen cells. It induces C57BL/6 mice cells recognition and lysis by CD8 T-cell from BALB.B mice. {ECO:0000269|PubMed:11021531}.

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Molecular Weight: 49.7 kDa

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UniProt: [Q9BDB7](#)

## 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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months