

Datasheet for ABIN7548540
IRF9 Protein (AA 1-393) (His tag)



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Overview

Quantity:	1 mg
Target:	IRF9
Protein Characteristics:	AA 1-393
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IRF9 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant IRF9 Protein expressed in mammalian cells.
Sequence:	MASGRARCTR KLRNWWVEQV ESGQFPGVCW DDTAKTMFRI PWKHAGKQDF REDQDAAFFK AWAIFKGYK EGD TGPAVW KTRLRCALNK SSEFKEVPER GRMDVAEPYK VYQLPPGIV SGQPGTQKVP SKRQHSSVSS ERKEEEDAMQ NCTLSPSVLQ DSLNNEEEGA SGGAVHSDIG SSSSSSPEP QEVTDTEAP FQGDQRSLEF LLPPEPDYSL LLTFIYNGRV VGEAQVQSLD CRLVAEPSGS ESSMEQVLFK KPGPLEPTQR LLSQLERGIL VASNPRGLFV QRLCPIISW NAPQAPPGPG PHLLPSNECV ELFR TAYFCR DLVRYFQGLG PPPKFQVTLN FWEESHGSSH TPQNLITVKM EQAFARYLLE QTPEQQAAIL SLV 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 isoform, please contact us regarding an individual offer.

Product Details

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:

IRF9

Alternative Name:

IRF9 ([IRF9 Products](#))

Background:

Interferon regulatory factor 9 (IRF-9) (IFN-alpha-responsive transcription factor subunit) (ISGF3 p48 subunit) (Interferon-stimulated gene factor 3 gamma) (ISGF-3 gamma) (Transcriptional regulator ISGF3 subunit gamma),FUNCTION: Transcription factor that plays an essential role in anti-viral immunity. It mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. IRF9/ISGF3G associates with the phosphorylated STAT1:STAT2 dimer to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state. {ECO:0000269|PubMed:30143481}.

Molecular Weight:

43.7 kDa

UniProt:

[Q00978](#)

Target Details

Pathways: [JAK-STAT Signaling](#), [Interferon-gamma Pathway](#), [Hepatitis C](#)

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