

Datasheet for ABIN7548520  
**IRF4 Protein (AA 1-451) (His tag)**



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## Overview

Quantity:	1 mg
Target:	IRF4
Protein Characteristics:	AA 1-451
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IRF4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat IRF4 Protein expressed in mammalian cells.
Sequence:	<p>MNLEGGGRGG EFGMSAVSCG NGKLRQWLID QIDSGKYPGL VWENEEKSIF RIPWKHAGKQ  DYNREEDAAL FKAWALFKGK FREGIDKPDP PTWKTRLRCA LNKSNDFEEL VERSQLDISD  PYKVYRIVPE GAKKGAKQLT LEDPQMMSH PYTMTTPYPS LPAQQVHNYM MPPLDRSWRD  YVPDQPHPEI PYQCPMTFGP RGHHWQGPAC ENGCVTGTF YACAPPESQA PGVPTEPSIR  SAEALAFSDC RLHICLYYRE ILVKELTTSS PEGCRISHGH TYDASNLDQV LFPYPEDNGQ  RKNIEKLLSH LERGVVLWMA PDGLYAKRLC QSRIYWDGPL ALCNDRPNKL ERDQTCKLFD  TQQFLSELQA FAHHGRSLPR FQVTL CFGEE FPDPRQRKL ITAHVEPLLA RQLYYFAQQN  SGHFLRGYDL PEHISNPEDY HRSIRHSSIQ E</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>

## 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, Western Blot

### Grade:

custom-made

## Target Details

### Target:

IRF4

### Alternative Name:

IRF4 ([IRF4 Products](#))

### Background:

Interferon regulatory factor 4 (IRF-4) (Lymphocyte-specific interferon regulatory factor) (LSIRF) (Multiple myeloma oncogene 1) (NF-EM5),FUNCTION: Transcriptional activator. Binds to the interferon-stimulated response element (ISRE) of the MHC class I promoter. Binds the immunoglobulin lambda light chain enhancer, together with PU.1. Probably plays a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells. Involved in CD8(+) dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF4 and activation of genes (By similarity). {ECO:0000250|UniProtKB:Q64287}.

### Molecular Weight:

51.8 kDa

### UniProt:

[Q15306](#)

### Pathways:

[Chromatin Binding](#)

## 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.
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Restrictions:	For Research Use only
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## 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