

# Recombinant Full Length Human IRF9 Protein, C-Flag-tagged

**Cat. No.** IRF9-1758HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human IRF9 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | This gene encodes a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Mutations in this gene result in Immunodeficiency 65. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 43.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MASGRARCTRKLNRNVVEQVESGQFPGVCWDDTAKTMFRIPWKHAGKQDFREDQ<br>DAAFFKAWAIFKGKYK EGD TG G PAVWKTRLRCALNKSSEFKEVPERGRMDVAEPY<br>KVYQLLP PGIVSGQPGTQKVPSKRQHSSVSS ERKEEEDAMQNCTLSPSVLQDSL N<br>NEEEGASGGAVHSDIGSSSSSSSSPEPQEVTDTEAPFQGDQRSLEF LLPPEPDYSL<br>LLTFIYNGRVVGEAQVQSLDCRLVAEP SGSESSMEQVLF PKPGPLEPTQRLLS QLER<br>GIL VASNPRGLFVQRLCPIPISWNAPQAPP GP GPHLLPSNECVELFRTAYFCRDLVR<br>YFQGLGPPPKFQVTLN                                                          |

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|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|                         | FWEEESHGSSHTPQNLITVKMEQAFARYLLEQTPEQQAAILSLVTRTRPLEQKLISEED<br>LAANDILDYKDDDDKV                                                               |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome, Transcription Factors                                                                                                       |
| <b>Protein Pathways</b> | Jak-STAT signaling pathway                                                                                                                    |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| <b>Gene Name</b>       | IRF9 interferon regulatory factor 9 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | IRF9                                                         |
| <b>Synonyms</b>        | p48; IRF-9; ISGF3; ISGF3G                                    |
| <b>Gene ID</b>         | 10379                                                        |

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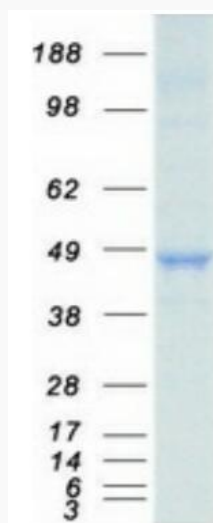
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**mRNA Refseq** [NM\\_006084.5](#)

**Protein Refseq** [NP\\_006075.3](#)

**MIM** [147574](#)

**UniProt ID** [Q00978](#)



Coomassie blue staining of purified IRF9 protein.

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