

## Recombinant Human IRF9 Protein, His tagged

**Cat. No.** IRF9-001H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Human IRF9 protein (238-393 aa) with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 238-393 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <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>Molecular Mass</b>   | 19 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MSLDCRLVAEPSGSESSMEQVLFPKPGPLEPTQRLLSQLERGILVASNPRGLFVQRL<br>CPIPISWNAPQAPPGPGPHLLPSNECVELFRTAYFCRDLVRYFQGLGPPPKFQVTLN<br>FWEESHGSSHTPQNLITVKMEQAFARYLLEQTPEQQAAILSLVHHHHHHHH                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>        | < 1 EU/μg by LAL.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 90 % by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                            |

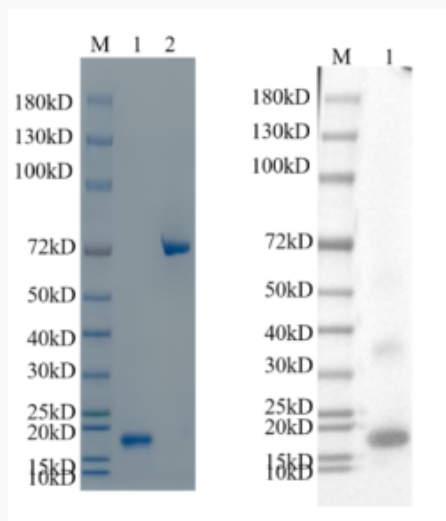
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| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | Sterile PBS, pH7.4, 10 % Glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration</b>    | 0.72 mg/mL by BCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | IRF9 interferon regulatory factor 9 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Official Symbol</b>  | IRF9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>         | IRF9; interferon regulatory factor 9; interferon stimulated transcription factor 3, gamma (48kD), interferon stimulated transcription factor 3, gamma 48kDa, ISGF3G; ISGF-3 gamma; ISGF3 p48 subunit; interferon-stimulated gene factor 3 gamma; transcriptional regulator ISGF3 subunit gamma; IFN-alpha-responsive transcription factor subunit; interferon-stimulated transcription factor 3, gamma 48kDa; interferon-stimulated transcription factor 3, gamma (48kD); p48; IRF-9; ISGF3; ISGF3G |
| <b>Gene ID</b>          | 10379                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_006084                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_006075                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 147574                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>       | Q00978                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

Reducing 4 %-20 %  
SDS-PAGE (CBB  
stained) and WB  
(Anti-His Mouse  
Monoclonal  
antibody) analysis  
profiles of purified  
IRF9.



1. IRF9: 1 µg

2. BSA: 1 µg