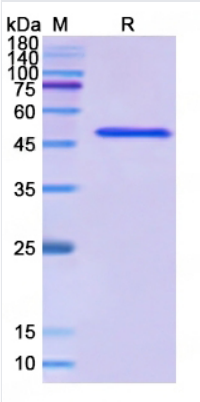
IRF9 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	IRF9, Recombinant Protein
Full Product Name	Recombinant Human IRF9, N-His
Product Gene Name	IRF9 recombinant protein
Product Synonym Names	Interferon regulatory factor 9; ISGF3G; IRF-9; ISGF-3 gamma; ISGF3 p48 subunit; Transcriptional regulator ISGF3 subunit gamma; IRF9; Interferon-stimulated gene factor 3 gamma; IFN-alpha-responsive transcription factor subunit
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	393
Sequence Positions	Met1-Val393
OMIM	147574
3D Structure	ModBase 3D Structure for Q00978
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for IRF9 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for IRF9 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for IRF9 recombinant protein	MBS1574415 is a recombinant protein targeting IRF9. Also known as Recombinant Human IRF9, N-His. Host: E coli.
Other Notes	Small volumes of IRF9 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of IRF9 recombinant protein
SDS PAGE for recombinant Human IRF9

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IRF9. It may not necessarily be applicable to this product.

NCBI GI #	266392
NCBI GeneID	10379
NCBI Accession #	Q00978.1
UniProt Primary Accession #	Q00978
UniProt Secondary Accession #	D3DS61
UniProt Related Accession #	Q00978
NCBI Official Full Name	Interferon regulatory factor 9
NCBI Official Synonym Full Names	interferon regulatory factor 9
NCBI Official Symbol	IRF9
NCBI Official Synonym Symbols	p48; IRF-9; ISGF3; ISGF3G
UniProt Protein Name	Interferon regulatory factor 9
UniProt Synonym Protein Names	IFN-alpha-responsive transcription factor subunit; ISGF3 p48 subunit; Interferon-stimulated gene factor 3 gamma; ISGF-3 gamma; Transcriptional regulator ISGF3 subunit gamma
Protein Family	Interferon regulatory factor
UniProt Gene Name	IRF9
UniProt Synonym Gene Names	ISGF3G; IRF-9; ISGF-3 gamma
UniProt Entry Name	IRF9_HUMAN
NCBI Protein Information	interferon regulatory factor 9; 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, gam

UniProt Comments for IRF9	IRF9: Transcription regulatory factor that 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. The phosphorylated STATs dimerize, associate with IRF9/ISGF3G 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. Belongs to the IRF family. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 14q11.2 Cellular Component: nucleoplasm; cytoplasm; cytosol; nucleus Molecular Function: protein binding; transcription factor activity Biological Process: transcription from RNA polymerase II promoter; cell surface receptor linked signal transduction; regulation of transcription, DNA-dependent; cytokine and chemokine mediated signaling pathway; interferon type I biosynthetic process; defense response to virus
Research Articles on IRF9	**1.** IL6 is an inducer of IRF9 expression in prostate cancer and a sensitizer for the antiproliferative effects of IFNalpha2.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/irf9/1574415