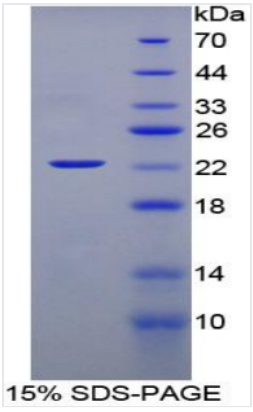
Interferon Alpha (IFNa) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interferon Alpha (IFNa), Recombinant Protein
Full Product Name	Recombinant Interferon Alpha (IFNa)
Product Gene Name	IFNa recombinant protein
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag, its sequence is listed below. MGSSHHHHH H SSGLVPRGSH MASMTGGQQM GRGSEF- CDLPHTH NLRNKRVFTL LAQMRRLSPV SCLKDRKYFG FPLEKVDGQQ IQKAQAIPVL HELTQQILSL FTSKESSTAW DATLLDSFCN DLQQQLSGLQ ACLMQQVGVQ ESPLTQEDSL LAVREYFHRI TVYLRENKHS PCAWEVVKAE VWRALSSSAN LMGRLREERN ES
Host	Host: E Coli Source: Prokaryotic expression
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Purity/Purification	>95%
Concentration	8.3 (lot specific)
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: IFNa (MBS2027429) Immunogen: IFNa (MBS2030648)
Matching Pairs	APC-CY7 Conjugated Antibody: IFNa (MBS2035621) Immunogen: IFNa (MBS2030648)
Matching Pairs	PE Conjugated Antibody: IFNa (MBS2035623) Immunogen: IFNa (MBS2030648)
Matching Pairs	APC Conjugated Antibody: IFNa (MBS2035625) Immunogen: IFNa (MBS2030648)
Matching Pairs	Cy3 Conjugated Antibody: IFNa (MBS2035627) Immunogen: IFNa (MBS2030648)
Matching Pairs	FITC Conjugated Antibody: IFNa (MBS2035628) Immunogen: IFNa (MBS2030648)
Matching Pairs	HRP Conjugated Antibody: IFNa (MBS2035630) Immunogen: IFNa (MBS2030648)
Matching Pairs	Biotin Conjugated Antibody: IFNa (MBS2091360) Immunogen: IFNa (MBS2030648)
Molecular Weight	22,319 Da
OMIM	147553
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Predicted Molecular Mass	23.2kDa

Accurate Molecular Mass (KD)	23kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	two N-terminal Tags, His-tag and T7-tag
Organism Species	Rattus norvegicus (Rat)
Fragment	Cys24~Ser192
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for IFNa recombinant protein	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Related Product Information for IFNa recombinant protein	MBS2030648 is a recombinant protein targeting IFNa. Also known as Recombinant Interferon Alpha (IFNa). Host: E Coli Source: Prokaryotic expression.
Other Notes	Small volumes of IFNa 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 IFNa recombinant protein

ADDITIONAL DETAILS

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

NCBI GI #	386800
NCBI GeneID	3467
NCBI Accession #	AAA52724.1
UniProt Secondary Accession #	Q13168; Q5U802; Q5VWD0; Q7M4P5
UniProt Related Accession #	P05000
NCBI Official Full Name	interferon-alpha
NCBI Official Synonym Full Names	interferon, omega 1
NCBI Official Symbol	IFNW1
UniProt Protein Name	Interferon omega-1
UniProt Synonym Protein Names	Interferon alpha-II-1
Protein Family	Interferon alpha/beta receptor

UniProt Gene Name	IFNW1
UniProt Entry Name	IFNW1_HUMAN
NCBI Protein Information	interferon omega-1
UniProt Comments for IFNa	IFNW1: Belongs to the alpha/beta interferon family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 9p22 Cellular Component: extracellular space Molecular Function: hematopoietin/interferon-class (D200-domain) cytokine receptor binding; interferon-alpha/beta receptor binding; cytokine activity Biological Process: B cell proliferation; adaptive immune response; response to virus; cytokine and chemokine mediated signaling pathway; regulation of MHC class I biosynthetic process; humoral immune response; T cell activation during immune response; response to exogenous dsRNA; B cell differentiation; natural killer cell activation during immune response; innate immune response; cell cycle arrest; defense response to virus; positive regulation of peptidyl-serine phosphorylation of STAT protein
Research Articles on IFNa	**1.** Studies indicate that upregulation of the type I interferon protein signature has added additional markers of disease activity and insight into the pathogenesis of the disease.
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/ifna-recombinant-protein/interferon-alpha/2030648