

Bioactive

## IFNGR2 (Human) Recombinant Protein

Catalog # P7377

Size 10 ug

### Specification

|                      |                                                                                                                                                                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Human IFNGR2 (P38484, 28 a.a. - 247 a.a ) partial recombinant protein expressed in CHO cells.                                                                                                                                           |
| Sequence             | SQLPAPQHHPKIRLYNAEQVLSWEPVALSNSTRPVVYQVQFKYTDKWFADIMSIGVNCTQITATE<br>CDFTAASPSAGFPMDFNVTLRRLRAELGALHSAWVTMPWFQHYRNVTVGPPENIEVTPGEGSLIIR<br>FSSPFDIADTSTAFFCYVHYWEKGGIQQVKGPFRSNSISLDNLKPSRVYCLQVQAQLLWNKSNIF<br>RVGHLSNISCYETMADASTELQQ |
| Host                 | Mammals                                                                                                                                                                                                                                 |
| Theoretical MW (kDa) | 38 - 40                                                                                                                                                                                                                                 |
| Form                 | Lyophilized                                                                                                                                                                                                                             |
| Preparation Method   | Mammalian cell (CHO) expression system                                                                                                                                                                                                  |
| Purity               | > 95% as analyzed by SDS-PAGE.                                                                                                                                                                                                          |
| Endotoxin Level      | < 0.2 EU/ug of protein by gel clotting method                                                                                                                                                                                           |
| Activity             | ED <sub>50</sub> < 0.1 ug/mL, measured in a cell cytotoxicity assay using HT-29 (HTB-38) cells in the presence of 1.0 ng/mL human IFN-gamma.                                                                                            |
| Recommend Usage      | Biological Activity<br>SDS-PAGE<br>The optimal working dilution should be determined by the end user.                                                                                                                                   |
| Storage Buffer       | Lyophilized from PBS. Reconstitute the lyophilized powder in ddH <sub>2</sub> O up to 100 ug/mL.                                                                                                                                        |
| Storage Instruction  | Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                                       |

### Applications

- Functional Study

- SDS-PAGE

## Gene Info — IFNGR2

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">3460</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protein Accession# | <a href="#">P38484</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name          | IFNGR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Alias         | AF-1, IFGR2, IFNGT1                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Description   | interferon gamma receptor 2 (interferon gamma transducer 1)                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID            | <a href="#">147569</a> <a href="#">209950</a>                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Summary       | This gene (IFNGR2) encodes the non-ligand-binding beta chain of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. Defects in IFNGR2 are a cause of mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection. MSMD is a genetically heterogeneous disease with autosomal recessive, autosomal dominant or X-linked inheritance. [provided by RefSeq] |
| Other Designations | interferon gamma receptor 2 interferon gamma receptor accessory factor-1 interferon gamma receptor beta chain                                                                                                                                                                                                                                                                                                                                                                 |

## Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)

## Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Asthma](#)

- [Atherosclerosis](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)

- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Multiple Sclerosis](#)
- [Neovascularization](#)
- [Obstetric Labor](#)
- [Papillomavirus Infections](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Seminoma](#)
- [Stomach Neoplasms](#)
- [Subacute Sclerosing Panencephalitis](#)
- [Testicular Neoplasms](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)
- [Werner syndrome](#)