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	SQLPAPQHPKIRLYNAEQVLSWEPVALSNSTRPVVYQVQFKYTDSKWFTADIMSIGVNCTQITATE CDFTAASPSAGFPMDFNVTLRLRAELGALHSAWVTMPWFQHYRNVTVGPPENIEVTPGEGSLIIR FSSPFDIADTSTAFFCYYVHYWEKGGIQQVKGPFRSNSISLDNLKPSRVYCLQVQAQLLWNKSNIF 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_{50} < 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 SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH_2O 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. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

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- SDS-PAGE

Gene Info — IFNGR2

Entrez GeneID	3460
Protein Accession#	P38484
Gene Name	IFNGR2
Gene Alias	AF-1, IFGR2, IFNGT1
Gene Description	interferon gamma receptor 2 (interferon gamma transducer 1)
Omim ID	147569 209950
Gene Ontology	Hyperlink
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 wit h 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 rec eptor beta chain

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway
- Natural killer cell mediated cytotoxicity

Disease

- Acute Disease
- Adenocarcinoma
- Asthma

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- 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

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- 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

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