

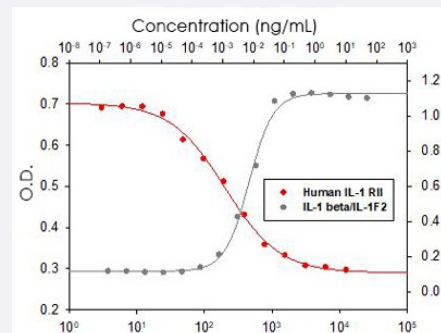
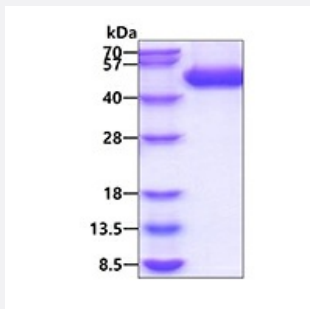
Bioactive

IL1R2 (Human) Recombinant Protein

Catalog # P8040

Size 100 ug

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description

Human IL1R2 (P27930, 14 a.a. - 343 a.a.) partial length recombinant protein with His tag expressed in Baculovirus expression system.

Sequence

FTLQPAAHGAARSCRFRGRHYKREFRLEGEPVALRCPQVPYWLWASVSPRINLTWHKNDSTART
VPGEETRMWAQDQALWLLPALQEDSGTYVCTTRNASYCDKMSIELRVFENTDAFLPFISYPQILT
LSTSGVLVCPDLSEFTRDKTDVKIQWYKDSLLLDKDNEKFLSVRGTTLLVHDVALEDAGYYRCV
LTFAGEGQQYNITRSIELRIKKKKEETIPVIISPLKTIASLGSRLTIPCKVFLGTGTPLTTLWWTAND
THIESAYPGGRVTEGPRQEYSENNENYIEVPLIFDPVTREDLHMDFKCVVHNTLSFQTLRTTVKE

Host

Viruses

Theoretical MW (kDa)

38.8

Form

Liquid

Preparation Method	Baculovirus expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	ED ₅₀ is < 400 ng/mL, measured by the ability to inhibit proliferation using D10.G4.1 mouse helper T cells with Human IL-1 beta/IL-1F2.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — IL1R2

Entrez GeneID	7850
Protein Accession#	P27930
Gene Name	IL1R2
Gene Alias	CD121b, IL1RB, MGC47725
Gene Description	interleukin 1 receptor, type II
Omim ID	147811
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Two alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq]

Other Designations

antigen CDw121b|type II interleukin-1 receptor, beta

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [MAPK signaling pathway](#)

Disease

- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bronchiolitis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Dengue](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Edema](#)

- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Intervertebral Disk Displacement](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Musculoskeletal Diseases](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Osteoarthritis](#)
- [Periodontal Attachment Loss](#)
- [Periodontal Diseases](#)
- [Periodontitis](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Respiratory Syncytial Virus Infections](#)
- [Skin Diseases](#)
- [Spondylitis](#)
- [Venous Thrombosis](#)

- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)