

Bioactive

HuPro®

IL1R1 (Human) Recombinant Protein

Catalog # P3674

Size 20 ug

Specification

Product Description	Human IL1R1 (P14778, Lys 18 - Thr 332) partial recombinant protein expressed in 293 cells.
Host	Human
Theoretical MW (kDa)	55-60
Form	Lyophilized
Preparation Method	Mammalian cell (293) expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	Measured by the ability to bind recombinant human Interleukin-1 beta.
Storage Buffer	Lyophilized from PBS solution, pH 7.2 (5% Trehalose)
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 12 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — IL1R1

Entrez GeneID	3554
Protein Accession#	P14778
Gene Name	IL1R1
Gene Alias	CD121A, D2S1473, IL-1R-alpha, IL1R, IL1RA, P80
Gene Description	interleukin 1 receptor, type I
Omim ID	147810
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 is a receptor for interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA). It is an important mediator involved in many cytokine induced immune and inflammatory responses. This gene along with interleukin 1 receptor, type II (IL1R2), interleukin 1 receptor-like 2 (IL1RL2), and interleukin 1 receptor-like 1 (IL1RL1) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. [provided by RefSeq]
Other Designations	OTTHUMP00000161344 antigen CD121a interleukin 1 receptor alpha, type I interleukin receptor 1

Pathway

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

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Albuminuria](#)
- [Alcoholism](#)

- [Alveolar Bone Loss](#)
- [Alveolitis](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bone Resorption](#)
- [Brain Ischemia](#)
- [Bronchiolitis](#)
- [Cadaver](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebrovascular Disorders](#)
- [Chlamydomydia Infections](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Common Variable Immunodeficiency](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)

- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Dengue](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Endometriosis](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fatigue Syndrome](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Gout](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Graves Ophthalmopathy](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)

- [Hematologic Diseases](#)
- [Hematuria](#)
- [Hemorrhagic Fever with Renal Syndrome](#)
- [Hepatitis B](#)
- [HIV Seropositivity](#)
- [Hodgkin Disease](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Idiopathic Pulmonary Fibrosis](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Intervertebral Disk Displacement](#)
- [Irritable Bowel Syndrome](#)
- [Laryngeal Neoplasms](#)
- [Leptospirosis](#)
- [Leukemia](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoproliferative Disorders](#)
- [Malaria](#)
- [Meningococcal Infections](#)
- [Mental Disorders](#)
- [Metabolic Diseases](#)

- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Osteoarthritis](#)
- [Osteolysis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pain](#)
- [Parasitemia](#)
- [Paratyphoid Fever](#)
- [Pemphigus](#)
- [Periodontal Attachment Loss](#)
- [Periodontal Diseases](#)
- [Periodontitis](#)
- [Pharyngeal Neoplasms](#)

- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prosthesis Failure](#)
- [Proteinuria](#)
- [Psoriasis](#)
- [Pulmonary Fibrosis](#)
- [Q Fever](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Scleroderma](#)
- [Seizures](#)
- [Sepsis](#)
- [Skin Diseases](#)
- [Skin Ulcer](#)
- [Spondylitis](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Thyroiditis](#)
- [Tuberculosis](#)
- [Typhoid Fever](#)

- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)
- [Venous Thrombosis](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)