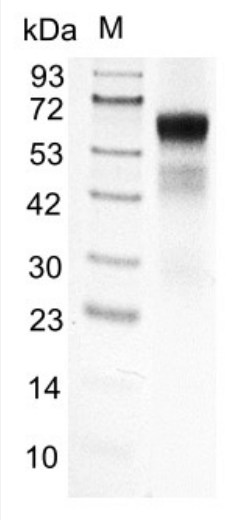
IL6R (Human) Recombinant Protein

Catalog # P10330 Size 100 ug

Applications



Specification

Product Description	Human IL6R recombinant protein with His tag at the C-terminus expressed in CHO cells.
Sequence	Met1-Ser232
Host	Mammals
Theoretical MW (kDa)	39.35
Reactivity	Human
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 0.1 EU per 1 ug as determined by the LAL method.
Quality Control Testing	SDS-PAGE analysis of IL6R (Human) Recombinant Protein.

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Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Storage Instruction	Store at -20°C for 12 months in lyophilized state. After reconstitution with deionized water, store at -20 or -80°C for 1 month. Aliquot to avoid repeated freezing and thawing.
Note	Please use within one month after protein reconstitution.

Applications

- SDS-PAGE

Gene Info — IL6R

Entrez GeneID	3570
Protein Accession#	NP_000556.1
Gene Name	IL6R
Gene Alias	CD126, IL-6R-1, IL-6R-alpha, IL6RA, MGC104991
Gene Description	interleukin 6 receptor
Omim ID	147880
Gene Ontology	Hyperlink
Gene Summary	Interleukin 6 (IL6) is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response. The protein encoded by this gene is a subunit of the receptor complex for IL6. The IL6 receptor is a protein complex consisting of this protein and interl eukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternativ ely spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSe q
Other Designations	CD126 antigen|OTTHUMP00000034320|interleukin 6 receptor alpha subunit

Pathway

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- Cytokine-cytokine receptor interaction
- Hematopoietic cell lineage
- Jak-STAT signaling pathway

Disease

- Abscess
- Adenocarcinoma
- Alzheimer disease
- Arthritis
- Asthma
- Atherosclerosis
- Autoimmune Diseases
- Behcet Syndrome
- Bronchiolitis
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Chorioamnionitis
- Connective Tissue Diseases
- Coronary Disease
- Crohn Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Edema
- Esophageal Neoplasms

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- Esophagitis
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Glucose Intolerance
- Hematologic Diseases
- Hodgkin Disease
- Hyperandrogenism
- Hyperglycemia
- Infant
- Infection
- Inflammation
- Insulin Resistance
- Kidney Failure
- Lung Neoplasms
- Lymphatic Metastasis
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Metabolic Syndrome X
- Multiple Myeloma
- Musculoskeletal Diseases
- Myelodysplastic Syndromes
- Neoplasm Invasiveness
- Neoplasms
- Obesity

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- Obstetric Labor
- Occupational Diseases
- Osteoporosis
- Pain
- Periodontitis
- Postoperative Complications
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Psoriasis
- Pulmonary Disease
- Radiation Injuries
- Radiation Pneumonitis
- Respiratory Syncytial Virus Infections
- Respiratory Tract Infections
- Schizophrenia
- Sepsis
- Skin Diseases
- Skin Neoplasms
- Thoracic Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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