IL2RB (Human) Recombinant Protein

Catalog # P8250 Size 2 x 10 ug

Specification

Product Description	Human IL2RB (P14784, 27 a.a. - 240 a.a.) partial recombinant protein with His tag at C-terminus expressed in Sf9 cells.
Sequence	AVNGTSQFTCFYNSRANISCVWSQDGALQDTSCQVHAWPDRRRWNQTCELLPVSQASWACNLILGAPDSQKLTTVDIVTLRVLCREGVRWRVMAIQDFKPFENLRLMAPISLQVVHVETHRCNISWEISQASHYFERHLEFEARTLSPGHTWEEAPLLTLKQKQEWICLETLTPDTQYEFQVRVKPLQGEFTTWSPWSQPLAFRTKPAALGKDTHHHHHH
Host	insect
Theoretical MW (kDa)	25.5
Form	Liquid
Preparation Method	Sf9 cell expression system
Purity	> 95% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS 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.

Applications

- SDS-PAGE

Gene Info — IL2RB

Entrez GeneID	3560

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Protein Accession#	P14784
Gene Name	IL2RB
Gene Alias	CD122, P70-75
Gene Description	interleukin 2 receptor, beta
Omim ID	146710
Gene Ontology	Hyperlink
Gene Summary	The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha s ubunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha /beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit he terotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-m ediated endocytosis and transduction of mitogenic signals from interleukin 2. The protein encode d by this gene represents the beta subunit and is a type I membrane protein. [provided by RefSeq
Other Designations	CD122 antigen|OTTHUMP00000028799|high affinity IL-2 receptor beta subunit|interleukin 2 rece ptor beta

Pathway

- Cytokine-cytokine receptor interaction
- Endocytosis
- Jak-STAT signaling pathway

Disease

- Arthritis
- Asthma
- Bipolar Disorder
- Bronchial Hyperreactivity
- Bronchiolitis
- Carcinoma

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- Cardiovascular Diseases
- Celiac Disease
- Chagas Disease
- Colitis
- Connective Tissue Diseases
- Crohn Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Endometriosis
- Esophagitis
- Fetal Diseases
- Genetic Predisposition to Disease
- Hepatitis C
- Hyperparathyroidism
- Hypersensitivity
- Infant
- Infection
- Inflammation
- Kidney Failure
- Leishmaniasis
- Liver Neoplasms
- Lung Neoplasms
- Measles
- Multiple Sclerosis
- Mumps

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- Musculoskeletal Diseases
- Myasthenia Gravis
- Occupational Diseases
- Pain
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Radiation Injuries
- Radiation Pneumonitis
- Respiratory Syncytial Virus Infections
- Rubella
- Schizophrenia
- Skin Diseases
- Tobacco Use Disorder
- Viremia
- Wegener Granulomatosis

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