# IL2RA (Human) Recombinant Protein

Catalog # P8248 Size 2 x 10 ug

## Specification

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|---|---|
| **Product Description** | Human IL2RA (P01589, 22 a.a. - 213 a.a.) partial recombinant protein with His tag at N-terminus expressed in *Escherichia coli*. |
| **Sequence** | ELCDDDPPEIPHATFKAMAYKEGTMLNCECKRGFRRIKSGSLYMLCTGNSSHSSWDNQCQCTSSATRNTTKQVTPQPEEQKERKTTEMQSPMQPVDQASLPGHCREPPPWENEATERIYHFVVGQMVYYQCVQGYRALHRGPAESVCKMTHGKTRWTQPQLICTGEMETSQFPGEEKPQASPEGRPESETSC |
| **Host** | Escherichia coli |
| **Form** | Liquid |
| **Preparation Method** | *Escherichia coli* expression system |
| **Purity** | > 95% by SDS-PAGE |
| **Recommend Usage** | Biological Activity<br>SDS-PAGE<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS pH 7.4 (50% 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.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- SDS-PAGE

## Gene Info — IL2RA

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| **Entrez GeneID** | 3559 |
| **Protein Accession#** | P01589 |

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|---|---|
| **Gene Name** | IL2RA |
| **Gene Alias** | CD25, IDDM10, IL2R, TCGFR |
| **Gene Description** | interleukin 2 receptor, alpha |
| **Omim ID** | 147730 601942 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity r eceptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determine d to result from extracellular proteolyisis. Alternately-spliced IL2RA mRNAs have been isolated, b ut the significance of each is presently unknown. [provided by RefSeq |
| **Other Designations** | Interleukin-2 receptor\|OTTHUMP00000019030\|OTTHUMP00000044870\|interleukin 2 receptor, al pha chain |

## Pathway

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

## Disease

- Acquired Immunodeficiency Syndrome
- Addison Disease
- Alopecia Areata
- Alzheimer Disease
- Arthritis
- Asthma
- Atrial Fibrillation

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- Autoimmune Diseases
- Bronchiolitis
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Chorioamnionitis
- Colitis
- Connective Tissue Diseases
- Crohn Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Graves Disease
- Hyperparathyroidism
- Hypersensitivity
- Infant
- Infection
- Inflammation
- Lupus Erythematosus
- Measles
- Melanoma
- Multiple Sclerosis
- Mumps

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- Musculoskeletal Diseases
- Obstetric Labor
- Prediabetic State
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostatic Neoplasms
- Respiratory Syncytial Virus Infections
- Rubella
- Skin Diseases
- Thyroid Diseases
- Vasculitis
- Vitiligo

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