

# Recombinant Human IL2RA Protein, C-Avi&His tagged, Biotinylated

**Cat. No.** IL2RA-43H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Biotinylated recombinant Human Interleukin-2 Receptor subunit alpha is produced by our Mammalian expression system and the target gene encoding Glu22-Gln240 is expressed with a Avi and 6His tag at the C-terminus.

### Species

Human

### Source

HEK293

### ProteinLength

Glu22-Gln240

### Description

Interleukin-2 receptor subunit alpha (IL2RA) is a single-pass type I membrane glycoprotein, contains 2 Sushi (CCP/SCR) domains. IL2RA is expressed on activated T cells and regulatory T cells, and can bind IL2 with low affinity by itself. The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. While homodimeric alpha chains (IL2RA) result in low-affinity receptor, homodimeric beta (IL2RB) chains produce a medium-affinity receptor. CD25 has been previously regarded as an activation marker on dendritic cells. Although both murine and human dendritic cells can express CD25, they do not express the beta-chain of the IL-2 receptor, which is indispensable for the execution of IL-2 signaling.

### Storage Buffer

Supplied as a 0.2 µm filtered solution of PBS, pH7.4

### Shipping

Dry ice/ice pack

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**Conjugation** Biotin**GENE INFORMATION****Gene Name** IL2RA interleukin 2 receptor, alpha [ Homo sapiens (human) ]**Official Symbol** IL2RA**Synonyms** Interleukin-2 receptor subunit alpha; CD25; p55; TAC antigen; IL2-RA; IL-2R subunit alpha; IL-2-RA; IL2RA; IL-2 receptor subunit alpha**Gene ID** 3559**mRNA Refseq** NM\_000417**Protein Refseq** NP\_000408**MIM** 147730**UniProt ID** P01589 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA