

# Recombinant Human IL2RA protein(Met1-Cys213), hFc-tagged

**Cat. No.** IL2RA-636H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL2RA (NP_000408.1)(Met 1-Cys 213) was expressed in HEK293 with C-terminal fused Human IgG1 Fc region.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-213 a.a.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Immobilized Recombinant Human IL2 Protein, Low Endotoxin at 2 µg/ml (100 µl/well) can bind CD25/IL2RA Protein, Human, Recombinant (ECD, hFc Tag), The EC50 is 3-10 ng/mL.
<b>Molecular Mass</b>	The mature recombinant human IL2Ra/Fc is a disulfide-linked homodimeric protein generated by proteolytic removal of the signal peptide. The reduced monomer consists of 430 amino acids and has a predicted molecular mass of 48.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhIL2Ra/Fc monomer is approximately 72 kDa due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 90 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	IL2RA interleukin 2 receptor, alpha [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	IL2RA
<b>Synonyms</b>	IL2RA; interleukin 2 receptor, alpha; IL2R; interleukin-2 receptor subunit alpha; CD25; p55; IL2-RA; IL-2-RA; TAC antigen; IL-2R subunit alpha; IL-2 receptor subunit alpha; TCGFR; IDDM10;
<b>Gene ID</b>	3559
<b>mRNA Refseq</b>	NM_000417
<b>Protein Refseq</b>	NP_000408
<b>MIM</b>	147730
<b>UniProt ID</b>	P01589

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