

## Recombinant Human IL2RA Protein(Fc Tag)

**Catalog Number: PDMH100268**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

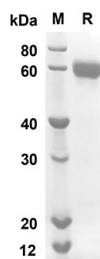
### Description

<b>Species</b>	Human
<b>Source</b>	Mammalian-derived Human IL2RA proteins Glu22-Gln240, with an C-terminal Fc
<b>Calculated MW</b>	48.9 kDa
<b>Observed MW</b>	60 kDa
<b>Accession</b>	P01589
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Human IL2RA proteins, 2 µg/lane of Recombinant Human IL2RA proteins was resolved with an SDS-PAGE under reducing conditions, showing bands at 48.9 KD

### Background

The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with an 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 receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. Mutations in this gene are associated with an interleukin 2 receptor alpha deficiency.

### For Research Use Only