

## Recombinant Mouse IL2Ra/CD25 Protein (Fc Tag)

**Catalog No.** PKSM041228

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

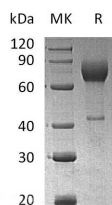
### Description

<b>Synonyms</b>	CD25;IL-2 R alpha;IL2RA;CD25 antigen;IDDM10;IL-2 receptor subunit alpha;IL2R;IL-2R subunit alpha;IL-2-RA;IL2-RA;interleukin 2 receptor;alpha;interleukin-2 receptor subunit alpha;p55;TAC antigen;TCGFR;Il2r;Ly-43
<b>Species</b>	Mouse
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Glu22-Lys236
<b>Accession</b>	P01590
<b>Calculated Molecular Weight</b>	51.6 kDa
<b>Observed molecular weight</b>	60-90 kDa
<b>Tag</b>	C-Fc
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg 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 of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### For Research Use Only

## Background

The interleukin 2 receptor alpha (IL2RA), also called CD25, is a type I transmembrane protein that presents on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes. IL2RA is a member of cytokine receptors family that utilizes the common gamma chain subunit ( $\gamma_c$ ). IL2RA is expressed in most B-cell neoplasms, some acute nonlymphocytic leukemias, neuroblastomas, and tumor infiltrating lymphocytes. IL2RA associates with IL2RB (CD122) to form a heterodimer that can act as a high-affinity receptor for IL-2.

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