# Mouse CD132 / IL2RG (His & Fc Tag) recombinant protein

Catalog Number: 504271



#### **General Information**

# Gene Name Synonym

Interleukin-2 receptor subunit gamma; gammaC; p64

#### **Protein Construction**

A DNA sequence encoding the extracellular domain (Met 1-Ala 263) of mouse IL2RG (NP\_038591.1) precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

# **Organism**

Mouse

#### **Expression Host**

**Human Cells** 

# **QC Testing**

## **Activity**

Measured by its ability to bind biotinylated recombinant rat IL2 in a functional ELISA.

## **Purity**

> 92 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

## **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### Predicted N terminal

Trp 23

#### **Molecular Mass**

The recombinant mouse IL2RG/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 489 amino acids and has a predicted molecular mass of 56.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm IL2RG/Fc monomer is approximately 75-85 kDa due to glycosylation.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

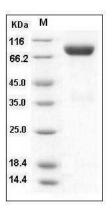
# **Storage**

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Mouse IL2RG Protein (His & Fc Tag) SDS-PAGE