

# Human CD132 / IL2RG (His Tag) recombinant protein



Catalog Number: 502335

## General Information

### Gene Name Synonym

Interleukin-2 receptor subunit gamma; gammaC; p64

### Protein Construction

A DNA sequence encoding the human IL2RG (P31785) extracellular domain (Met 1-Asn 254) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

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

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

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

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Leu 23

## Molecular Mass

The recombinant human IL2RG consists of 242 amino acids and predicts a molecular mass of 28.8 kDa. The apparent molecular mass of rhIL2RG is approximately 43 kDa in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

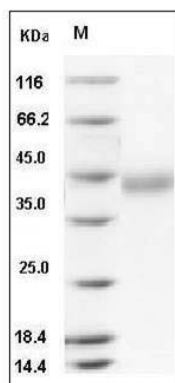
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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



Human IL2RG / CD132 Protein (His Tag) SDS-PAGE