Human CD122 / IL-2RB (Fc Tag) recombinant protein

Catalog Number: 503194

General Information

Gene Name Synonym

High affinity IL-2 receptor subunit beta; p70-75

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Asp 239) of human IL2 R? (NP_000869.1) precursor was expressed with the C-terminal fused Fc region of human IgG1.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind biotinylated recombinant rat IL2 in a functional ELISA.
2. Using the Octet RED System, the affinity constant (Kd) of Human IL2RB-Fc (Cat:503194) bound to Human IL2 was 0.8nM.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

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

Predicted N terminal

Ala 27

Molecular Mass

The recombinant human IL2 R?/Fc is a disulfide-linked homodimeric protein generated after removal of the signal peptide. The reduced monomer consists of 451 amino acids and has a predicted molecular mass of 51.6 kDa. As a result of glycosylation, the apparent molecular mass of rh IL2RB/Fc monomer is approximately 60-65 kDa in SDS-PAGE under reducing conditions.

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

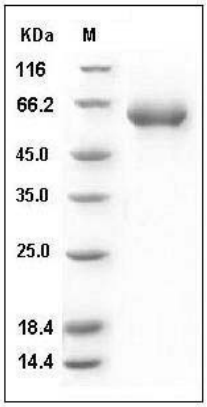
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 CD122 / IL-2RB Protein (Fc Tag) SDS-PAGE