

Human CD25/IL2RA (Fc Tag) recombinant protein



Catalog Number: 503136

General Information

Gene Name Synonym

TAC antigen; p55

Protein Construction

A DNA sequence encoding the amino acid residues (Met 1-Cys 213) of the human IL2 receptor α chain (NP_000408.1) precursor was expressed with C-terminal fused human IgG1 Fc region.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind recombinant rat IL2 (Cat:500720) in a functional ELISA.
2. Measured by its ability to bind recombinant canine IL2 (Cat:500337) in a functional ELISA.
3. Measured by its ability to bind recombinant mouse IL2 (Cat:502190) in a functional ELISA.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ 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

Glu 22

Molecular Mass

The mature recombinant human IL2R α /Fc is a disulfide-linked homodimeric protein generated by proteolytic removal of the signal peptide. The reduced monomer consists of 430 amino acids and has a predicted molecular mass of 48.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhIL2R α /Fc monomer is approximately 72 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

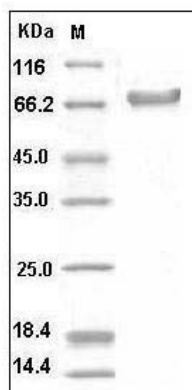
Storage

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



Human IL2Ra / CD25 Protein (Fc Tag) SDS-PAGE