

# Human CD25/IL2RA (His Tag) recombinant protein



Catalog Number: 502846

## General Information

### Gene Name Synonym

TAC antigen; p55

### Protein Construction

A DNA sequence encoding the extracellular domain of human IL2 receptor  $\alpha$  (NP\_000408.1) (Met 1-Cys 213) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Using the Octet RED System, the affinity constant (Kd) of Human IL2RA-his (Cat:502846) bound to Human IL2 was 35nM.

### Purity

> 97 % 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

Glu 22

## Molecular Mass

The recombinant human IL2R $\alpha$  consists of 203 amino acids and has a predicted molecular mass of 23.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhIL2R $\alpha$  is approximately 44 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

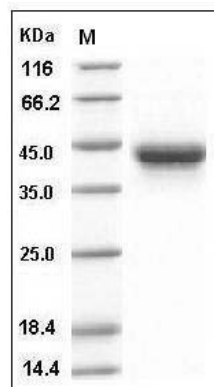
### Storage

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 (His Tag) SDS-PAGE