

Human IL5RA (CD125) (His Tag) recombinant protein



Catalog Number: 502140

General Information

Gene Name Synonym

CDw125

Protein Construction

A DNA sequence encoding the human IL5Ra isoform 2 (Q01344-2) (Met 1-Arg 335) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant mouse IL5-his at 5 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind biotinylated human IL5Ra-his with a linear range of 32-4000 ng/mL .
3. Measured by its ability to inhibit IL5 dependent proliferation of TF1 human erythroleukemic cells. The ED_{50} for this effect is typically 0.7-2.8 $\mu\text{g/mL}$.

Purity

> 85 % 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°C

Predicted N terminal

Asp 21

Molecular Mass

The recombinant human IL5Ra consists of 326 amino acids after removal of the signal peptide and has a predicted molecular mass of 37.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhIL5Ra is approximately 45-50 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

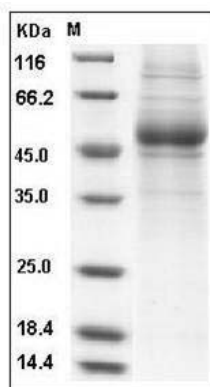
Storage

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 IL5Ra / CD125 Protein (His Tag) SDS-PAGE