

Human IL-6R/CD126 (His Tag) recombinant protein



Catalog Number: 502316

General Information

Gene Name Synonym

Interleukin 6 receptor, isoform CRA_a

Protein Construction

A DNA sequence encoding the extracellular domain of human IL6R (NP_000556.1) corresponding to amino acid (Met 1-Pro 365) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized recombinant human IL-6 at 8 µg/mL (100µl/well) can bind recombinant human IL6R with a linear range of 1.25-20.0 ng/ml.
2. Measured by its ability to enhance the IL6 activity on M1 mouse myeloid leukemia cells. The ED₅₀ for this effect is typically 20-80 ng/ml.

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°C

Predicted N terminal

Leu 20

Molecular Mass

The soluble form of recombinant human IL6R consists of 357 amino acids and has a predicted molecular mass of 40 kDa. In SDS-PAGE under reducing conditions, it migrates with an apparent molecular mass of 60-65 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

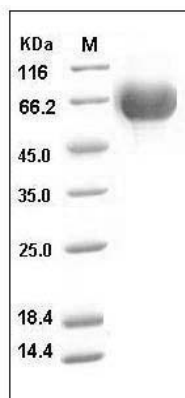
Storage

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 IL6R / CD126 Protein (His Tag) SDS-PAGE