

Human IL-6 recombinant protein



Catalog Number: 500947

General Information

Protein Construction

A DNA sequence encoding the mature form of human IL6 (NP_000591.1) (Val 30-Met 212) was expressed, with an initial Met at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized recombinant human IL-6 at 8 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) can bind recombinant human IL6R with a linear range of 1.25-20.0 ng/ml .
2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED_{50} for this effect is 0.75-3 ng/ml . The specific activity of Recombinant Human IL-6 is approximately $0.35 \times 10^5 \text{ IU}/\mu\text{g}$.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

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

Predicted N terminal

Met

Molecular Mass

The recombinant human IL6 consists of 184 amino acids and migrates with an apparent molecular mass of 20.3 kDa as estimated 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

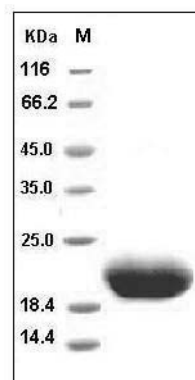
Storage

Store it under sterile conditions at -20°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 IL6 / Interleukin-6 Protein SDS-PAGE