

Mouse IL-6 recombinant protein



Catalog Number: 502396

General Information

Gene Name Synonym

B-cell hybridoma growth factor; Interleukin HP-1

Protein Construction

A DNA sequence encoding the mouse IL6 (P08505) (Phe25-Thr211) was expressed and purified.

Organism

Mouse

Expression Host

E. coli

QC Testing

Activity

1. Measured by its ability to bind biotinylated rat IL6ST-mFch (Cat:502123) in a functional ELISA.
2. Measured by its ability to bind biotinylated mouse IL6ST-Fc2h (Cat:501116) in a functional ELISA.
3. Measured by its ability to bind biotinylated mouse IL6ST-His (Cat:504186) in a functional ELISA.
4. Measured by its ability to bind biotinylated human IL6RB-Fch (Cat:501833) in a functional ELISA.
5. Measured in a cell proliferation assay using T1165 mouse plasmacytoma cells. The ED₅₀ for this effect is typically 0.4-2 ng/ml.

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 mouse IL6 consists of 188 amino acids and predicts a molecular mass of 21.9 KDa. It migrates as an approximately 22 KDa band 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

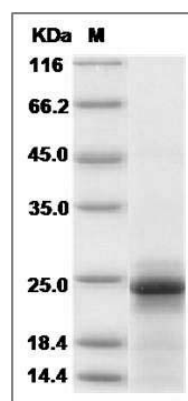
Storage

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



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Mouse IL6 / Interleukin-6 Protein SDS-PAGE