

# Rat IL 6 Recombinant Protein



RPPB0530

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## Product Information    Protein Information

**Product SKU:**

RPPB0530

**Accession:**

P20607

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-6 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 187 amino acids and having a molecular mass of 21732 Dalton. The IL6 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

IFN-b2, B cell differentiation factor (BCDF), BSF-2, HPGF, HSF, MGI-2, IL-6, Interleukin HP-1, B-cell hybridoma growth factor.

**Formulation:**

The protein was lyophilized from 0.02% TFA.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin-6 with 10mM HCl at a concentration of 0.1 mg/ml which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Interleukin-6 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL6 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Phe-Pro-Thr-Ser.

**Biological Activity:**

The ED50 is less than 0.01 ng/ml as determined by dose-dependent stimulation of mouse 7TD1 cells.