

Mouse IL 6 Recombinant Protein



RPPB0527

Product Information Protein Information

Product SKU:

RPPB0527

Accession:

P08505

Host:

Escherichia Coli.

Protein description:

Interleukin-6 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 187 amino acids and having a molecular mass of 21709 Dalton. The IL-6 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Mouse IL-6 in sterile 18M-cm H₂O not less than 100 μ g/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:

FPTSQVRRGD FTEDTTPNRP VYTTSQVGGI ITHVLWEIVE MRKELCNGNS DCMNNDDALA ENNLKLPKIQ
RNDGCYQTGY NQEICLLKIS SGLLEYHSYL EYMKNLKDND KKDKARVLQR DTETLIHIFN QEVKDLHKIV
LPTPISNALL TDKLESQKEW LRTKTIQFIL KSLEEFKVT LRSTRQT.

Biological Activity:

The ED₅₀ as determined by the dose-dependant stimulation of the proliferation of IL-6-dependent murine 7TD1 cells is < 0.02 ng/ml, corresponding to a specific activity of > 50,000,000 units/mg.