

Human IL 6 Recombinant Protein



RPPB0522

Product Information Protein Information

Product SKU:

RPPB0522

Accession:

P05231

Host:

Escherichia Coli.

Protein description:

Interleukin-6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 184 amino acids and having a molecular mass of 21000 Dalton. The IL6 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

B cell differentiation factor, BCDF, BSF-2, HPGF, HSF, MGI-2, B-cell stimulatory factor 2,Hybridoma growth factor, CTL differentiation factor, CDF, IL-6, HGF.

Formulation:

Lyophilized from a 0.2um filtered concentrated (1mg/ml) solution in PBS, pH 7.4.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin-6 in sterile 18MΩ-cm H₂O not less than 100μg/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-Pro-Val-Pro-Pro.

Biological Activity:

The ED₅₀ as determined by the dose-dependant stimulation of murine 7TD1 cells is less than 0.1 ng/ml, corresponding to the specific activity of 1.0 x 10,000,000 Units per mg.