

Rhesus Macaque IL 6 Recombinant Protein



RPPB0532

Product Information Protein Information

Product SKU:

RPPB0532

Host:

Escherichia Coli.

Protein description:

IL 6 Rhesus Macaque Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 186 amino acids and having a molecular mass of 21.1kDa. The IL 6 Rhesus Macaque 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, B-cell stimulatory factor 2, IFN beta-2, Hybridoma growth factor, CTL differentiation factor, CDF, IL-6, HGF.

Formulation:

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

Purity:

Greater than 97.0% as determined by SDS-PAGE and HPLC analyses.

Solubility:

It is recommended to reconstitute the lyophilized 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 IL-6 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-6 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MAPVLPGEDS KNVAAPHSQP LTSSERIDKH IRYILDGISA LRKETCNRSN MCESSKEALA ENNLNLPKMA
EKDGCFCQSGF NEDTCLVKII TGLLEFEVYL EYLQNRFESE EQARAVQMS TKVLIQFLQK KAKNLDAITT
PEPTTNASLL TKLQAQNQWL QDMTTHLILR SFKEFLQSNL RALRQM

Biological Activity:

Fully biologically active when compared to standard. The ED₅₀ determined by a cell proliferation assay using IL-6-dependent murine 7TD1 cells is less than 0.1ng/ml, corresponding to a specific activity of > 1.0 \times 10,000,000 IU/mg.