

Human IL 11 Recombinant Protein



RPPB0560

Product Information Protein Information

Product SKU:

RPPB0560

Accession:

P20809

Host:

Escherichia Coli.

Protein description:

Interleukin-11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 179 amino acids and having a molecular mass of 19256.29 Dalton. The IL-11 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

AGIF, Adipogenesis inhibitory factor, IL-11.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) solution with no additives.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin 11 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Interleukin-11 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL11 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 Gly-Pro-Pro-Pro-Gly. N-terminal methionine has been completely removed enzymatically.

Biological Activity:

The ED₅₀ as determined by the dose-dependant stimulation of the proliferation of murine 7TD1 was found to be < 10ng/ml, corresponding to a Specific Activity of 100,000 IU/mg.