

Human IL 11 Recombinant Protein



RPPB0561

Product Information Protein Information

Product SKU:

RPPB0561

Accession:

P20809

Host:

Pichia Pastoris.

Protein description:

IL11 Human Recombinant produced in Pichia Pastoris is a single, non-glycosylated, Polypeptide chain containing 177 amino acids (it differs from the 178 amino acid length of the native IL11 only in lack of the N-terminal praline residue) and having a molecular mass of 19kDa. The IL11 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Interleukin-11, IL-11, Adipogenesis inhibitory factor, AGIF, Oprelvekin, IL11.

Formulation:

IL11 was Lyophilized from a 0.2 µm filtered concentrated solution of 20mM PB, pH7.2 and 2% Glycine buffer.

Purity:

Greater than 95% as determined 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 IL11 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. 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.

Biological Activity:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine 7TD1 was found to be less than 0.2ng-0.8ng/ml, corresponding to a Specific Activity of greater than 1,000,000 IU/mg.