

Mouse IL 11 Recombinant Protein



RPPB0562

Product Information Protein Information

Product SKU:

RPPB0562

Accession:

P47873

Host:

Escherichia Coli.

Protein description:

Interleukin-11 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 179 amino acids and having a molecular mass of 19.1kDa. The Mouse IL-11 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

AGIF, Adipogenesis inhibitory factor, IL-11, Interleukin-11, Il11.

Formulation:

The protein was lyophilized from a 0.2µm 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 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:

MPGPPAGSPR VSSDPRADLD SAVLLTRSLL ADTRQLAAQM RDKFPADGDH SLDSLPTLAM SAGTLGSLQL
PGVLRRLRVD LMSYLRHVQW LRRAGGPSLK TLEPELGALQ ARLERLLRRL QLLMSRLALP QAAPDQPVIP
LGPPASAWGS IRAAHAILGG LHLLTDWAVR GLLLLKTRL

Biological Activity:

The ED₅₀ as determined by the dose-dependant stimulation of the proliferation of murine T11 was found to be less than 2.0 ng/ml, corresponding to a specific activity of 500,000IU/mg.