

## Interleukin-11 Human Recombinant, Pichia

<b>Item Number</b>	rAP-0482
<b>Synonyms</b>	Interleukin-11, IL-11, Adipogenesis inhibitory factor, AGIF, Oprelvekin, IL11.
<b>Description</b>	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
<b>Uniprot Accession Number</b>	P20809
<b>Amino Acid Sequence</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Gly-Pro-Pro-Pro-Gly.
<b>Source</b>	Pichia Pastoris.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
<b>Formulation and Purity</b>	IL11 was lyophilized after extensive dialysis against 20mM PB, pH7.0 and 2% Glycine buffer. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized Interleukin -11 in sterile 18M <sup>2</sup> -cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED <sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of murine 7TD1 was found to be less than 0.2ng/ml, corresponding to a Specific Activity of 8,000,000 IU/ mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**