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# IL 11 Human, Pichia

*Interleukin-11 Human Recombinant, Pichia*
*CYK0241*

## Product Overview

| | |
|---|---|
| Name | IL 11 Human, Pichia |
| **Description** | |
| Interleukin-11 Human Recombinant, Pichia | |
| Accession (Primary) | P20809 |
| **Synonyms** | |
| Interleukin-11, IL-11, Adipogenesis inhibitory factor, AGIF, Oprelvekin, IL11. | |
| **Introduction** | |
| IL11 is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). IL-11 is shown to stimulate the T-cell-dependent development of immunoglobulin-producing B cells. It is also found to support the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells. | |
| **Source** | |
| Pichia Pastoris. | |
| **Physical Appearance** | |
| Sterile Filtered White lyophilized (freeze-dried) powder. | |
| **Formulation** | |
| IL11 was Lyophilized from a 0.2 μm filtered concentrated solution of 20mM PB, pH7.2 and 2% Glycine buffer. | |
| **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. | |
| **Purity** | |
| Greater than 95% as determined by SDS-PAGE. | |
| **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 then 0.2ng-0.8ng/ml, corresponding to a Specific Activity of greater than 1,000,000 IU/ mg. | |

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**Solubility**

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

**Precautions**

IL 11 Human, Pichia is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P20809 )