

## Interleukin-4 Human Recombinant, HEK

<b>Item Number</b>	rAP-0492
<b>Synonyms</b>	BCGF, BCDF, B cell stimulating factor, BSF-1, Lymphocyte stimulatory factor 1, IL-4, MGC79402, Bi-natrakin, Pitrakinra.
<b>Description</b>	IL-4 Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 14-19kDa due to glycosylation. The IL-4 is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P05112
<b>Amino Acid Sequence</b>	
<b>Source</b>	HEK.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL4 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.
<b>Formulation and Purity</b>	The IL-4 was lyophilized from a 0.2µm filtered protein solution (0.68mg/ml) in 1xPBS. Greater than 95% as observed by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized IL-4 in sterile 1xPBS containing 0.1% endotoxin-free recombinant HSA.
<b>Biological Activity</b>	The activity was determined by the dose dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) and was found to be 0.17ng/ml.
<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**