

## Interleukin-3 Human Recombinant, HEK

<b>Item Number</b>	rAP-0491
<b>Synonyms</b>	MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor, IL-3, MGC79398, MGC79399.
<b>Description</b>	Interleukin-3 Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 17-45kDa due to glycosylation. The IL-3 is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P08700
<b>Amino Acid Sequence</b>	
<b>Source</b>	HEK.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL3 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 IL3 was lyophilized from 1mg/ml in 1xPBS. Greater than 90% as observed by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized IL-3 in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<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 is typically 0.5-2ng/ml corresponding to a specific activity of 500,000-2,000,000units/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**