

Interleukin-3 Human Recombinant, Sf9

Item Number	rAP-0586
Synonyms	MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor, IL-3, MGC79398, MGC79399.
Description	Interleukin-3 Human Recombinant produced in insect cells is a single, glycosylated polypeptide chain containing 133 amino acids and having a molecular mass of 15000 Dalton. The IL-3 CSF is fused to a C-terminal His-tag (6x His) and purified by proprietary chromatographic techniques.
Uniprot Accession Number	P08700
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-Ala-Pro-Thr.
Source	Insect Cells.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Interleukin-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.
Formulation and Purity	Lyophilized from a concentrated (1mg/ml) solution in water containing 0.5X PBS pH-7.4. Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Interleukin-3 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ as determined by the dose-dependant stimulation of TF-1 cells is < 0.1 ng/ml, corresponding to a Specific Activity of 10,000,000IU/mg.
Shipping Format and Condition	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**