

Interleukin-3 Rhesus Macaque Recombinant

Item Number	rAP-0520
Synonyms	MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor, IL-3, MGC79398, MGC79399
Description	IL 3 Rhesus Macaque Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 124 amino acids and having a molecular mass of 14.0kDa. The IL 3 Rhesus Macaque is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	
Amino Acid Sequence	APMTQTTSLK TSWAKCSNMI DEIITHLNQP PLPSPDFNNL NEEDQQTILVE KNLRRSNLEA FSKAVKSLQN ASAIESILKN LPPCLPMATA APTRPPIRIT NGDRNDFRRK LKFYLKTLEN EQAQ
Source	Escherichia Coli.
Physical Appearance and Stability	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 IL-3 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 97.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL-3 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependant stimulation of the proliferation of human TF-1 cells is less than 0.1ng/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 end users! This product is sold for **Research Use Only**