

Interleukin-3 Canine Recombinant

Item Number	rAP-0646
Synonyms	MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor, IL-3, MGC79398, MGC79399.
Description	Interleukin-3 Canine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 120 amino acids and having a molecular mass of 14 kDa. The IL-3 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q9BDX4
Amino Acid Sequence	RPFSTDLPKQ YFTMINEIME MLNKSPSPSE EPLDSNEKET LLEDTLLRPN LDVFLNASSK FHKNGLLIWN NLKEFLPLLP TPTPRGEPIs IMENNWGDFQ RKLKKYLEAL DNFLNFKNKP.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL3 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. Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a concentrated (1mg/ml) solution in water containing 1X PBS pH7.4. Greater than 97.0% as determined by: (a) Analysis by HPLC.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL3 in sterile 18MΩ-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 TF-1 cells is < 0.2 ng/ml, corresponding to a Specific Activity of 5,000,000 IU/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**