

Dog IL 3 Recombinant Protein



RPPB0501

Product Information Protein Information

Product SKU:

RPPB0501

Accession:

Q9BDX4

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor, IL-3, MGC79398, MGC79399.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution in water containing 1X PBS pH7.4.

Purity:

Greater than 97.0% as determined by: (a) Analysis by HPLC. (b) Analysis by SDS-PAGE.

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.

Stability:

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.

Amino Acid Sequence:

RPFSTDLPKQ YFTMINEIME MLNKSPSPSE EPLDSNEKET LLEDTLRPN LDVFLNASSK FHKNGLLIWN
NLKEFLPLLP TPTPRGEPIS IMENNWGDFQ RKLKYLEAL DNFLNFKNKP.

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.