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32-1395: mIL 3 Recombinant Protein

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

Description

Source : Escherichia Coli. Interleukin-3 mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 135 amino acids and having a molecular mass of 15100 Dalton. The IL-3 is purified by proprietary chromatographic techniques. Interleukin-3 is a pleiotropic cytokine produced primarily by activated T cells. IL-3 is thought to function via specific cell surface receptors to stimulate the proliferation, differentiation and survival of haematopoietic cell lines. IL-3 has also been shown to affect the functional activity of a variety of other cell types including mast cells, eosinophils, megakaryocytes and basophils.

Product Info

Amount :	10 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a concentrated (1mg/ml) solution in water containing no additives.
Storage condition :	Lyophilized Interleukin-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.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Asp-Thr-His-Arg.

Application Note

It is recommended to reconstitute the lyophilized Interleukin-3 in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by the dose-dependant stimulation of murine M-NFS-60 cells is < 0.05 ng/ml, corresponding to a Specific Activity of 20,000,000IU/mg.