



Recombinant Mouse IL-3

Datasheet

Catalog Number: PR27076 **Product Type:** Recombinant Protein

Source: *E.Coli*

Amino Acid Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Met-Asp-Thr-His-Arg.

Description/Molecular Mass: Interleukin-3 Mouse Recombinant Protein produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 135 amino acids and having a molecular mass of 15.1 kDa. The IL-3 is purified by proprietary chromatographic techniques.

Protein Content: Protein quantitation was carried out by two independent methods:

1. UV spectroscopy at 280 nm using the absorbency value of 0.171 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).
2. Analysis by RP-HPLC, using a standard solution of IL3 as a Reference Standard.

Purity: Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Biological Activity: 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 2×10^7 IU/mg.

Format: Lyophilized from a 1mg/ml solution without any additives.

Reconstitution: It is recommended to reconstitute the lyophilized Interleukin 3 in sterile 18M Ω -cm H2O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Storage: Lyophilized Interleukin-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL6 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).

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v1-02/09

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