



Recombinant Rat IL-3

Datasheet

Catalog Number: PR27077

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-Ser-Asp-Arg-Gly.

Description/Molecular Mass: Interleukin-3 Rat Recombinant Protein produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 140 amino acids and having a molecular mass of 16 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= 3-10 ng/ml, determined by the dose dependent proliferation of murine NFS-60 cells.

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

Reconstitution: It is recommended to reconstitute the lyophilized Interleukin 3 in sterile 18MΩ-cm H2O not less than 100µg/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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www.neuromics.com

Neuromics • 5325 West 74th Street, Suite 8 • Edina, MN 55439
phone 866-350-1500 • fax 612-677-3976 • e-mail pshuster@neuromics1.com