

# Rat IL 5 Recombinant Protein



RPPB0518

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## Product Information    Protein Information

**Product SKU:**

RPPB0518

**Accession:**

Q08125

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-5 Rat Recombinant produced in E.Coli is a dimeric, non-glycosylated polypeptide chain containing 113 amino acids and having a molecular mass of 13074 Dalton. The IL-5 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

EDF, BCDFII, TRF, T-cell replacing factor, Eosinophil differentiation factor, B cell differentiation factor I, IL-5.

**Formulation:**

Lyophilized from a concentrated (1mg/ml) solution in water containing no additives.

**Purity:**

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

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin-5 Rat in sterile 18MΩ-cm H<sub>2</sub>O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Interleukin-5 Rat although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL5 Rat should be stored at 4°C between 2-7 days and for future use below -18°C. Please avoid freeze thaw cycles.

**Amino Acid Sequence:**

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Ile-Pro-Met.

**Biological Activity:**

The ED<sub>50</sub> range=0.3-1.0 ng/ml as determined by the dose-dependant stimulation of the proliferation of BCL-1 cells.