



## Interleukin-5 Rat Recombinant

<b>Item Number</b>	rAP-0576
<b>Synonyms</b>	EDF, BCDFII, TRF, T-cell replacing factor, Eosinophil differentiation factor, B cell differentiation factor I, IL-5.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	Q08125
<b>Amino Acid Sequence</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Ile-Pro-Met.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
<b>Formulation and Purity</b>	Lyophilized from a concentrated (1mg/ml) solution in water containing no additives. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized Interleukin-5 Rat in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED50 range=0.3-1.0 ng/ml as determined by the dose-dependant stimulation of the proliferation of BCL-1 cells.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**