

Human IL 5 Recombinant Protein



RPPB0515

Product Information Protein Information

Product SKU:

RPPB0515

Accession:

P05113

Host:

Escherichia Coli.

Protein description:

Interleukin-5 Human Recombinant produced in E.Coli is a dimeric, non-glycosylated polypeptide chain containing two 113 amino acids chains, and having a molecular mass of 26522.84 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 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin-5 in sterile 18MΩ-cm H₂O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Interleukin-5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL5 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-Ile-Pro-Thr-Glu.

Biological Activity:

The ED₅₀ as determined by the dose-dependant stimulation of the proliferation of TF-1 cells was found to be < 0.15ng/ml, corresponding to a Specific Activity of 6 x 10⁶ IU/mg.