



Interleukin-5 Human Recombinant

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| Item Number | rAP-0542 |
| Synonyms | EDF, BCDFII, TRF, T-cell replacing factor, Eosinophil differentiation factor, B cell differentiation factor I, IL-5. |
| 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. |
| Uniprot Accesion Number | P05113 |
| 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. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile Filtered White lyophilized (freeze-dried) powder. 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. |
| Formulation and Purity | Lyophilized from a concentrated (1mg/ml) solution in water containing no additives. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE. |
| Application | |
| Solubility | It is recommended to reconstitute the lyophilized Interleikin-5 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. |
| 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. |
| Shipping Format and Condition | 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**