



Interleukin-5 Rhesus Macaque Recombinant

Item Number	rAP-0657
Synonyms	Interleukin-5, IL-5, Eosinophil differentiation factor, T-cell replacing factor, TRF, IL5.
Description	IL5 Rhesus Macaque Recombinant produced in E.Coli is a disulfide-linked homodimeric, non-glycosylated, polypeptide protein containing 2x115 amino acids chains and having a total molecular mass of 26.1kDa. The IL-5 Rhesus Macaque is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P48093
Amino Acid Sequence	IPTEIPASAL VKETLALLST HRTLLIANET LRIPVPVHKN HQLCTEEIFQ GIGTLESQTV QGGTVERLFK NLSLIKYYIG GQKKKCGEER RRVNQFLDYL QEFLGVMNTE WIIES.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-5 Rhesus Macaque although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL5 Rhesus Macaque should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4 and 5% Trehalose. Greater than 98.0% as determined by HPLC and 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 a cell proliferation assay using human TF-1 cells is less than 5ng/ml, corresponding to a specific activity of > 2.0 × 10 ⁵ 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**