

# Rhesus Macaque IL 5 Recombinant Protein



RPPB0519

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## Product Information    Protein Information

**Product SKU:**

RPPB0519

**Accession:**

P48093

**Host:**

Escherichia Coli.

**Protein 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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Interleukin-5, IL-5, Eosinophil differentiation factor, T-cell replacing factor, TRF, IL5.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4 and 5% Trehalose.

**Purity:**

Greater than 98.0% as determined by HPLC and SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin-5 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 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.

**Amino Acid Sequence:**

IPTEIPASAL VKETLALLST HRTLLIANET LRIPVPVHKN HQLCTEEIFQ GIGTLESQTV QGGTVERLFK NLSLIKKYIG GQKKKCGEER RRVNQFLDYL QEFLGVMNTE WIIES.

**Biological Activity:**

The ED<sub>50</sub> 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<sup>5</sup> IU/mg.