

# Rat IL 9 Recombinant Protein



RPPB0550

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## Product Information    Protein Information

**Product SKU:**

RPPB0550

**Accession:**

D4A819

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-9 Rat Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 127 amino acids and having a molecular mass of 14.3kDa. The IL-9 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Interleukin 9, Protein IL9, IL9.

**Formulation:**

IL9 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

**Purity:**

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin 9 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 Interleukin-9 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL9 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MQRCSTSWG I QHTSYLIENL KDDPSSK CSC SANVT SCLCL PIPSD DCTTP CFQEGMSQVT NATQQSKFSP  
FFFRVKRIVE TLKSNKCQFF SCEKPCNQTT AGNTVSFLKS LLKTFQKTEV QVQRSRA.

**Biological Activity:**

The ED<sub>50</sub> as determined by a cell proliferation assay using murine TS1 cells is less than 10 ng/ml, corresponding to a specific activity of > 1.0 × 10<sup>5</sup> IU/mg.