

# Human IL 9 Recombinant Protein



RPPB0546

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## Product Information    Protein Information

**Product SKU:**

RPPB0546

**Accession:**

P15248

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-9 Human Recombinant produced in E.Coli is a single, non-glycosylated single polypeptide chain containing 127 amino acids and having a molecular mass of 14,004 Dalton. The IL-9 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

P40, HP40, T-cell growth factor p40, IL-9, P40 cytokine.

**Formulation:**

IL-9 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:**

MQGCPTLAGI LDINFLINKM QEDPASKCHC SANVTSCCLL GIPSDNCTRP CFSERLSQMT NTTMQTRYPL  
IFSRVKKSV E VLKNNKCPYF SCEQPCNQTT AGNALTFLKS LLEIFQKEKM RGMRGKI.

**Biological Activity:**

The ED<sub>50</sub> as determined by the dose-dependent stimulation of human MO7e cells is less than 0.2 ng/ml, corresponding to a Specific Activity of >5.0×10<sup>6</sup> IU/mg.