

IL 9 Rat

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.

Catalog #: CYP5-755

Synonyms: Interleukin 9, Protein IL9, IL9.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: MQRCSTSWG I QHTSYLIENL KDDPSSKCSC SANVTSC LCL
PIPSDDCTTP CFQEGMSQVT NATQQSKFSP FFFRVKRIVE TLKSNKCQFF SCEKPCNQTT
AGNTVSFLKS LLKTFQKTEV QVQRSRA.

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

Formulation:

IL9 protein was lyophilized from a 0.2

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin 9 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Introduction:

Factor that is thought to be a regulator of hematopoiesis. It has been shown to enhance the growth of human mast cells and megakaryoblastic leukemic cells as well as murine helper t-cell clones. IL-9 is a glycoprotein with a molecular weight of 32-39 that is derived from T-cells, and maps to human chromosome 5.

Biological Activity:

The ED₅₀ 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

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