

Technical Data Sheet

Product Name: IL 9 Recombinant Protein

Catalogue Number: BPBOI083

Volume: 10µg-10mg

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

Description:

Source : Escherichia Coli. 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. 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.

Product Info:

Amount : 10 µg

Purification : Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Content : Lyophilized from a concentrated (1mg/ml) solution containing 10mM Na₂PO₄, pH 7.5.

Storage condition : 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 : MQGCPTLAGI LDINFLINKM QEDPASKCHC SANVTSCCLCL
GIPSDNCTRP CFSERLSQMT NTTMQTRYPL IFSRVKKSVE
VLKNNKCPYF SCEQPCNQTT AGNALTFLKS
LLEIFQKEKM RGMRGKI.

Application Note

It is recommended to reconstitute the lyophilized Interleukin-9 in sterile 18MΩ•cm H₂O not less than 100Å, Åµg/ml, which can then be further diluted to other aqueous solutions. The ED₅₀ as determined by the dose-dependent stimulation of human MO7e cells is less than 0.2 ng/ml, corresponding to a Specific Activity of >5.0Å f Å€ " 106 IU/mg.

Technical Assistance:

At BioPioneer, we are committed to providing top-notch technical support and ensuring its accessibility. For any technical assistance, please email us at info@biopioneer.in.

