



Interleukin-9, HEK, human recombinant (rHuIL-9-HEK)

Catalog No: 97523
Lot No: XXXXX
Source: HEK293
Synonyms: P40, HP40, T-cell growth factor p40, IL-9, P40 cytokine

Background

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.

Description

Interleukin-9 human recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 38-48 kDa due to glycosylation. IL-9 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

IL-9 was lyophilized from 1 mg/ml in 1xPBS.

Solubility

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

Stability

Lyophilized IL-9, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-9 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.

Purity

Greater than 95% as observed by SDS-PAGE.

Activity

The specific activity was determined by the dose-dependent stimulation of the proliferation of human MO7e cells (human megakaryoblastic leukemia cell line) and is typically 0.03 - 0.2 ng/ml.

Usage

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