
Product Data Sheet

Product Name: IL 9 Human, Sf9

Cat. No.: GP20537

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms Interleukin 9; T-Cell Growth Factor P40; Homolog Of Mouse T Cell And Mast Cell Growth Factor 40; P40 T-Cell And Mast Cell Growth Factor; P40 Cytokine; Cytokine P40; IL-9; Interleukin-9; HP40; P40.

Amino Acid Sequence MLLAMVL TSA LLLCSVAGQG CPTLAGILDI NFLINKMQED PASKCHCSAN VTSC LCLGIP SDNCTRPCFS ERLSQMTNTT MQTRYPLIFS RVKKSVEVLK N NKCPYFSCE QPCNQTTAGN ALTFLKSLLE IFQKEKMRGM RGKIH HHHHHH.

Formulation IL-9 protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.

Introduction

IL-9 is a factor which 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IL-9 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (19-144 a.a.) including an 18 aa signal peptide (1-18 aa) and fused to a 6 aa His Tag at C-terminus containing a total of 150 amino acids and having a molecular mass of 14.5kDa. IL9 shows multiple bands between 18-28kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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