

## 32-6439: IL 9 Human, Sf9

**Alternative Name :** 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.

### Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

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.

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.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

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

**Storage condition :** 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.

**Amino Acid :** MLLAMVLTSA LLLCSVAGQG CPTLAGILDI NFLINKMQED PASKCHCSAN VTSLCLGIP SDNCTRPCFS  
ERLSQMTNTT MQTRYPLIFS RVKKSVEVLK NNCOPYFSCE QPCNQTTAGN ALTFLKSLLE IFQKEKMRGM  
RGKIHSHHHHH.