

## 32-20458: Recombinant Murine IL-9(Discontinued)

**Reactivity :** Human, Mouse

**Alternative Name :** p40 cytokine, T-cell growth factor p40

### Description

**Source:** E.coli IL-9 is an immunoregulatory cytokine produced by IL-2 activated Th2 lymphocytes. IL-9 enhances the proliferation of T lymphocytes, mast cells, erythroid precursor cells and megakaryoblastic leukemia cell lines. Over-expression of IL-9 has been implicated in the pathogenesis of anaplastic lymphoma and Hodgkin's disease. Whereas murine IL-9 can function on human cells, human IL-9 is inactive on mouse cells. Recombinant Murine IL-9 is a 14.3 kDa protein of 127 amino acid residues, including 10 cysteine residues that are fully conserved between the human murine proteins.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MQRCSSTWGI RDTNYLIENL KDDPPSKCSC SGNVTSCLCL SVPTDDCTTP CYREGLLQLT NATQKSRLLP  
VFHRVKRIVE VLKNITCPSF SCEKPCNQTM AGNTMSFLKS LLGTFQKTEM QRQKSRP

### Application Note

The ED<sub>50</sub> as determined by the dose-dependent proliferation of human MO7e cells is <=0.5 ng/ml, corresponding to a specific activity of >= 2 x 10<sup>6</sup> units/mg.