

## 32-20364: Animal-Free Recombinant Human IL-9(Discontinued)

**Reactivity :** Human

**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 Human IL-9 is a 14.0 kDa protein of 127 amino acid residues, including 10 cysteine residues that are fully conserved between the human and 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 :** MQGCPTLAGI LDINFLINKM QEDPASKCHC SANVTSCCL GIPSDNCTRP CFSERLSQMT NTTMQTRYPL  
IFSRVKKSVE VLKNNKCPYF SCEQPCNQT AGNALTFLKS LLEIFQKEKM RGMRGKI

### Application Note

Determined by its ability to stimulate the proliferation of human MO7e cells. The expected ED<sub>50</sub> is <=0.2 ng/ml, corresponding to a specific activity of >= 5 x 10<sup>6</sup> units/mg.