

**Recombinant Mouse IL-9 Protein**

**Cat.NO.: TP05795**

3th Edition

**Synonyms:** Interleukin-9; IL-9; Cytokine P40; T-Cell Growth Factor P40; IL9

**Description:** Interleukin-9 (IL-9) is a secreted protein that belongs to the IL-7/IL-9 family. Mature mouse IL-9 shares 57% and 74% amino acid sequence identity with human and rat IL-9, respectively. IL-9 supports IL-2 independent and IL-4 independent growth of helper T-cells. IL-9 stimulates cell proliferation and prevents apoptosis. It functions through the IL-9 receptor (IL-9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. IL-9 has been identified as a candidate gene for asthma. IL-9 is a determining factor in the pathogenesis of bronchial hyperresponsiveness.

**Form:** PBS

**Molecular Weight:** 15.2 kDa

**Sequences:** Gln19-Pro144

**Purity:** > 95% by HPLC

**Concentration:**

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.