

## 32-7868: Recombinant Mouse IL-9

**Gene :** IL9  
**Gene ID :** 16198  
**Uniprot ID :** P15247

### Description

Source: Human Cells.  
MW :15.2kD.

Recombinant Mouse Interleukin-9 is produced by our Mammalian expression system and the target gene encoding Gln19-Pro144 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** QRCSTTWGIRDNTNYLIENLKDDPPSKCSCSGNVTSCLCLSVPTDDCTTPCYREGLLQLTNATQKSRLLPVHFRV  
KRIVEVLKNITCPSFSCEKPCNQTMAGNTLSFLKSLGTFQKTEMQRQKSRPVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.