



Recombinant Protein Technical Manual  
Recombinant Human Interleukin-9/IL-9 Protein (His  
Tag)  
RPES2644

Product Data:

**Product SKU:** RPES2644

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P15248

Protein Information:

**Molecular Mass:** 15.2 kDa

**AP Molecular Mass:** 37 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

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

## Immunogen Information:

**Sequence:** Glu19-Ile144

## Background:

Interleukin-9 (IL-9) is a secreted protein that belongs to the IL-7/IL-9 family. 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.