

# Rat IL-9 (His Tag) recombinant protein



Catalog Number: 501298

## General Information

### Gene Name Synonym

Protein Il9

### Protein Construction

A DNA sequence encoding the rat Il9 (NP\_001099217.1) (Met1-Ala144) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured in a cell proliferation assay using MC/9-2 mouse mast cells.  
The ED<sub>50</sub> for this effect is typically 19.8-79.2 ng/mL.

### Purity

> 90 % as determined by SDS-PAGE.

### Endotoxin

<1.0 EU per µg protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gln 19

### Molecular Mass

The recombinant rat Il9 consists 137 amino acids and predicts a molecular mass of 15.6 kDa.

### Formulation

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

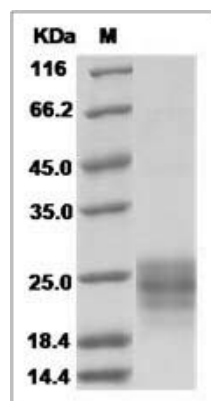
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Rat IL9 / IL-9 Protein (His Tag) SDS-PAGE