

## Active Recombinant Mouse Il9 Protein (Gln19-Pro144), N-His tagged, Animal-free, Carrier-free

Cat. No. II9-63M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Il9 Protein (Gln19-Pro144) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln19-Pro144
<b>Description</b>	Interleukin 9 (IL-9) is a pleiotropic cytokine that had pleiotropic functions in the immune system, has a molecular mass of 14.5 kDa. The major source of IL-9 is T lymphocytes. It is secreted by CD4+ helper cells that acts as a regulator of a variety of hematopoietic cells.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measure by its ability to induce proliferation in MO7e cells. The ED50 for this effect is < 0.2 ng/mL. The specific activity of recombinant mouse IL-9 is > 5 × 10 <sup>6</sup> IU/mg.
<b>Molecular Mass</b>	The protein has a calculated MW of 14.97 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).
<b>Endotoxin</b>	< 0.1 EU/μg of the protein by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>98% as determined by SDS-PAGE analysis.
<b>Storage</b>	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

## GENE INFORMATION

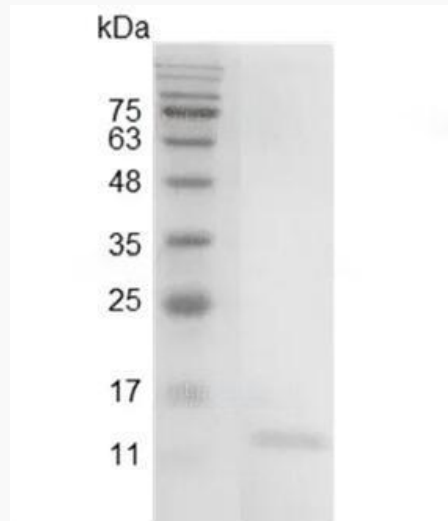
<b>Gene Name</b>	IL9 interleukin 9 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	IL9
<b>Synonyms</b>	IL9; interleukin 9; interleukin-9; cytokine P40; T-cell growth factor P40; P40; IL-9;
<b>Gene ID</b>	16198
<b>mRNA Refseq</b>	NM_008373
<b>Protein Refseq</b>	NP_032399
<b>UniProt ID</b>	P15247

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**SDS-PAGE analysis  
of recombinant  
mouse IL-9.**



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