

## Active Recombinant Mouse IL9 Protein, His-Tagged

Cat. No. IL9-01M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse IL9 Protein, His-tagged was expressed in E. coli cell
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	Interleukin 9, also known as IL-9, is a pleiotropic cytokine (cell signalling molecule) belonging to the group of interleukins. IL-9 is produced by variety of cells like mast cells, NKT cells, Th2, Th17, Treg, ILC2, and Th9 cells in different amounts. Among them, Th9 cells are regarded as the major CD4+ T cells that produce IL-9.
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	QRCSTTWGIRDNTNYLIENLKDDPPSKCSCSGNVTSCCLCLSVPTDDCTTPCYREGLLQ LTNATQKSRLLPVHRVVRIVEVLKNITCPSFSCEKPC NQT MAGNTLSFLKSL LGTFQKTEMQRQKSRP with polyhistidine tag at the N-terminus
<b>Endotoxin</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<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 x 10 <sup>6</sup> IU/mg.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography

 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>Storage Buffer</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Notes</b>	Please use within one month after protein reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	IL9 interleukin 9 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	IL9
<b>Synonyms</b>	P40; IL-9
<b>Gene ID</b>	16198
<b>mRNA Refseq</b>	NM_008373.2
<b>Protein Refseq</b>	NP_032399.1
<b>UniProt ID</b>	P15247

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

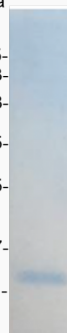
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



kDa

75-  
63-  
48-  
35-  
25-  
17-  
11-



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