

# 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>      | QRCSTTWGIRDNTNYLIENLKDDPPSKCSCSGNVTSCLCLSVPTDDCTTPCYREGLLQ<br>LTNATQKSRLLPVHRVKRIVEVLKNITCPSFSCEKPC<br>NQTMA GNTLSFLKSLLGTFQKTEMQRQKSRP 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 H <sub>2</sub> O 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

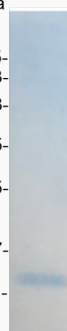
|                        |                                                         |
|------------------------|---------------------------------------------------------|
| <b>Gene Name</b>       | IL9 interleukin 9 [ <i>Mus musculus</i> (house mouse) ] |
| <b>Official Symbol</b> | IL9                                                     |
| <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