

Active Recombinant Mouse IL9 Protein, His-Tagged

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

SPECIFICATION

Product Overview	Recombinant mouse IL9 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	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.
Form	Lyophilized powder
AA Sequence	QRCSTTWGIRDNTNYLIENLKDDPPSKCSCSGNVTSCCLSVPTDDCTTPCYREGLLQ LTNATQKSRLLPVFHRVKRIVEVLKNITCPSFSCEKPC NQTMA GNTLSFLKSLLGTFQKTEMQRQKSRP with polyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	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 ⁶ IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ 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.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

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

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

 Email: 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-