

Recombinant Mouse IL9 Protein, His-tagged

Cat. No. IL9-1059M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL9 Protein (Gln19-Pro144) with His tag was expressed in 293F.
Species	Mouse
Source	HEK293
ProteinLength	Gln19-Pro144
Description	Enables cytokine activity. Involved in positive regulation of interleukin-5 production. Acts upstream of or within several processes, including B cell activation; regulation of cellular protein metabolic process; and regulation of receptor signaling pathway via JAK-STAT. Located in extracellular space. Is expressed in gut; liver; thymus; and thymus primordium. Human ortholog(s) of this gene implicated in asthma and respiratory syncytial virus infectious disease. Orthologous to human IL9 (interleukin 9).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.8 kDa; Accurate Molecular Mass: 33-44 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

IL9 interleukin 9 [*Mus musculus* (house mouse)]

Official Symbol

IL9

Synonyms

IL9; interleukin 9; interleukin-9; cytokine P40; T-cell growth factor P40; P40; IL-9;

Gene ID

16198

mRNA Refseq

NM_008373

Protein Refseq

NP_032399

UniProt ID

P15247

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