

Active Recombinant Mouse IL9 Protein (Gln19-Pro144), N-His tagged, Animal-free, Carrier-free

Cat. No. IL9-63M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL9 Protein (Gln19-Pro144) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Gln19-Pro144
Description	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.
Form	Lyophilized
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 × 10 ⁶ IU/mg.
Molecular Mass	The protein has a calculated MW of 14.97 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	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.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

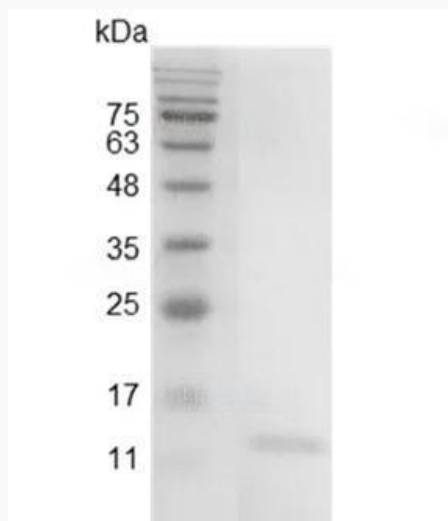
Gene Name	IL9 interleukin 9 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL9
Synonyms	IL9; interleukin 9; interleukin-9; cytokine P40; T-cell growth factor P40; P40; IL-9;
Gene ID	16198
mRNA Refseq	NM_008373
Protein Refseq	NP_032399
UniProt ID	P15247

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



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