

Active Recombinant Human IL9 Protein (Gln19-Ile144), N-His tagged, Animal-free, Carrier-free

Cat. No. IL9-173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL9 Protein (Gln19-Ile144) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Gln19-Ile144
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 < 0.25 ng/mL. The specific activity of recombinant human IL-9 is approximately >5 × 10 ⁶ IU/ mg.
Molecular Mass	The protein has a calculated MW of 14.93 kDa. The protein migrates as 19 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.01 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 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
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 [Homo sapiens (human)]
Official Symbol	IL9
Synonyms	IL9; interleukin 9; interleukin-9; homolog of mouse T cell and mast cell growth factor 40; HP40; IL 9; P40; p40 cytokine; p40 T cell and mast cell growth factor; T cell growth factor p40; cytokine P40; T-cell growth factor p40; p40 T-cell and mast cell growth factor; IL-9;
Gene ID	3578
mRNA Refseq	NM_000590

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Protein Refseq [NP_000581](#)

MIM [146931](#)

UniProt ID [P15248](#)

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



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