

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

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

SPECIFICATION

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| 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 H ₂ O 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

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|------------------------|---|
| Gene Name | IL9 interleukin 9 [<i>Homo sapiens</i> (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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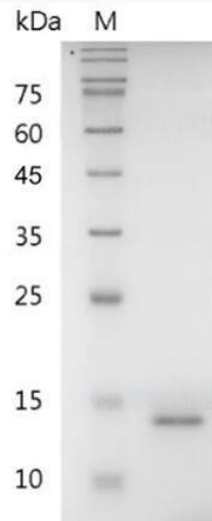
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Protein Refseq NP_000581

MIM 146931

UniProt ID P15248

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



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