# Active Recombinant Human IL9 protein, His-tagged, Low Endotoxin

**Cat. No.** IL9-4291H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human IL9 protein(P15248)(Gln19-Ile144), fused with C-terminal His tag, was expressed in HEK293. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 19-144 aa |
| **Form** | Lyophilized from 0.22μm filtered solution in 20mM Tris, 150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization. |
| **Bio-activity** | Immobilized Human IL-9, His Tag at 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Anti-IL-9 Anitibody, hFc Tag with the EC50 of 5.5ng/ml determined by ELISA. |
| **Molecular Mass** | The protein has a predicted MW of 15.3 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 0.01 EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC |
| **Storage** | Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 |

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

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| | months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| **Reconstitution** | Dissolve the lyophilized protein in distilled water. |

## GENE INFORMATION

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| **Gene Name** | IL9 interleukin 9 [ Homo sapiens ] |
| **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 |
| **Protein Refseq** | NP_000581 |
| **MIM** | 146931 |
| **UniProt ID** | P15248 |

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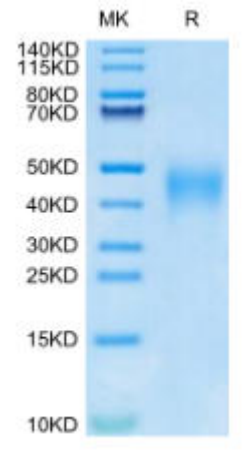
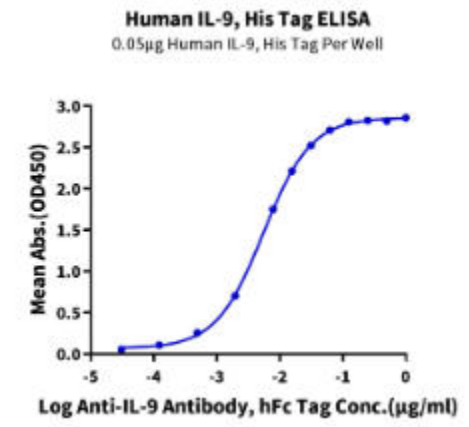
| **Bis-Tris PAGE** |   |
| **ELISA Data** |   |

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