

# Recombinant Full Length Human IL9 Protein, GST-tagged

**Cat. No.** IL9-5704HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human IL9 full-length ORF ( NP_000581.1, 1 a.a. - 144 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	144 amino acids
<b>Description</b>	The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness. [provided by RefSeq]
<b>Molecular Mass</b>	41.47 kDa
<b>AA Sequence</b>	MLLAMVLTSALLLCSVAGQGCPFLAGILDINFLINKMQEDPASKCHCSANVTSCCLGLG IPSDNCTRPCFSERLSQMTNTTMQTRYPLIFSRVKKSVEVLKNNKCPYFSCEQPCN QTTAGNALTFLKSLLEIFQKEKMRGMRGKI
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	IL9 interleukin 9 [ Homo sapiens ]
<b>Official Symbol</b>	IL9
<b>Synonyms</b>	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;
<b>Gene ID</b>	3578
<b>mRNA Refseq</b>	NM_000590
<b>Protein Refseq</b>	NP_000581
<b>MIM</b>	146931
<b>UniProt ID</b>	P15248

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