

Recombinant Human IL9 Protein, GST-tagged

Cat. No. IL9-5165H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL9 full-length ORF (NP_000581.1, 1 a.a. - 144 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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
Molecular Mass	41.47 kDa
AA Sequence	MLLAMVLTSALLLCSVAGQGCPFLAGILDINFLINKMQEDPASKCHCSANVTSCLCGLG IPSDNCTRPCFSERLSQMTNTTMQTRYPLIFSRVKKSVEVLKNNKCPYFSCEQPCN QTTAGNALTLFLKSLLEIFQKEKMRGMRGKI
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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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