

Recombinant Human IL9 Protein, DYKDDDDK-tagged

Cat. No. IL9-151H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human interleukin 9(IL9)(NM_000590) protein, with a DYKDDDDK tag, was expressed in human cells.
Species	Human
Source	Human Cells
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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.113, without any preservatives.
Molecular Mass	14 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

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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