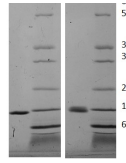


## IL9

### Recombinant Human Interleukin-9

<b>Catalog No.</b>	CRI151A CRI151B CRI151C	<b>Quantity:</b>	2 µg 10 µg 1.0 mg
<b>Alternate Names:</b>	T-cell growth factor p40, P40 cytokine		
<b>Description:</b>	Interleukin-9 (IL-9) is a cytokine that acts as a regulator of a variety of hematopoietic cells, and is produced by Th2-type CD4+ T cells. This cytokine stimulates cell proliferation, prevents apoptosis and supports the growth of IL-2- and IL-4-independent helper T-cells. It functions through the IL-9 receptor, which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The IL-9 gene has been associated with asthma.		
<b>Gene ID:</b>	3578		
<b>Protein Accession No:</b>	P15248		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	14.3 kDa (127 aa)		
<b>Formulation:</b>	Lyophilized from a sterile-filtered solution in 10 mM sodium phosphate, pH 7.5.		
<b>Purity:</b>	>95%, by reducing and non-reducing SDS-PAGE.		
<b>Endotoxin Level:</b>	≤1 EU/µg of protein by kinetic LAL analysis		
<b>Biological Activity:</b>	ED <sub>50</sub> < 2 ng/ml, as determined by a cell proliferation assay using human MO7e cells.		
<b>Specific Activity:</b>	>5.0 × 10 <sup>5</sup> U/mg		
<b>Amino Acid Sequence:</b>	MQGCPTLAGI LDINFLINKM QEDPASKCHC SANVTSCCLCL GIPSDNCTRP CFSERLSQMT NTTMQTRYPL IFSRVKKSVE VLKNNKCPYF SCEQPCNQTT AGNALTFLKS LLEIFQKEKM RGMRGKI		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/ml. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store at -20°C to -80°C for up to 1 year.  Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, freeze in working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. <b>Avoid repeated freeze-thaw cycles.</b>		





**Human IL-9**

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IL-9 is predicted to be 14.3 kDa.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)