

## Recombinant Murine IL-9

<b>CATALOG #:</b>	4153-10	10 µg
	4153-1000	1 mg
<b>LOT #:</b>	_____	
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg.	
<b>MOL. WEIGHT:</b>	14.3 kDa	
<b>FORM:</b>	Lyophilized with no additives.	

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4° C for 1 week or – 20° C for future use.

### STORAGE CONDITIONS:

The lyophilized protein is best-stored desiccated below 0° C. Reconstituted murine IL-9 should be stored in working aliquots at -20° C.

### DESCRIPTION:

Interleukin-9 (IL-9) is a potent lymphoid cell growth factor which stimulates the growth of certain T-cells, mast cells, and megakaryoblastic cells. Murine IL-9 is a 14.3 kDa protein containing 127 amino acid residues.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined by the dose-dependent proliferation of TS1.C3 cell line was less than 0.1 ng/ml, corresponding to a specific activity of >1 x 10<sup>7</sup> units/mg.

**FOR RESEARCH USE ONLY! Not to be used in human subjects!**

### RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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#### Growth Factors and Cytokines

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