

Recombinant Human Interleukin-9 (IL-9)

CATALOG #:	4152-10	10 µg
	4152-50	50 µg
	4152-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per µg of IL-9.	
MOL. WEIGHT:	14.0 kDa	
FORMULATION:	Lyophilized with no additives	

RECONSTITUTION:

The lyophilized IL-9 can be reconstituted in water to a concentration of 0.1 mg/ml. The solution can be diluted into other buffered solutions or stored at -20°C for future use. For most *in vitro* applications, IL-9 exerts its biological activity in the concentration range of 0.1 to 10 ng/ml.

STORAGE CONDITIONS:

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

DESCRIPTION:

IL-9 is a T-cell derived growth factor produced preferentially by CD4+ helper cells. IL-9 is a pleiotropic cytokine with multiple functions on cells of lymphoid, myeloid, and mast cell lineages. The human IL-9 is a 14.0 kDa protein containing 114 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent proliferation of human M-07E cells was <0.2 ng/ml, corresponding to a specific activity of > 5 x 10⁶ units/mg.

NOTE: For Research Use Only! Not to be used in humans.

RELATED PRODUCTS:

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

Cell Fractionation System

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

Cell Proliferation & Senescence

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

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- 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
- Total Cholesterol Quantification Kit

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- Cloning Insert Quick Screening Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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