

## IL-9 Protein, Mouse (sf9, His)

Cat. No.:	HY-P73229
Synonyms:	Interleukin-9; IL-9; Cytokine P40; IL9
Species:	Mouse
Source:	Sf9 insect cells
Accession:	P15247 (M1-P144)
Gene ID:	16198
Molecular Weight:	Approximately 15.6 kDa

### PROPERTIES

AA Sequence	<p>           M L V T Y I L A S V    L L F S S V L G Q R    C S T T W G I R D T    N Y L I E N L K D D            P P S K C S C S G N    V T S C L C L S V P    T D D C T T P C Y R    E G L L Q L T N A T            Q K S R L L P V F H    R V K R I V E V L K    N I T C P S F S C E    K P C N Q T M A G N            T L S F L K S L L G    T F Q K T E M Q R Q    K S R P         </p>
Biological Activity	Measured in a cell proliferation assay using MC/9 mouse mast cells and the ED <sub>50</sub> is typically 0.2-2 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris, 150 mM NaCl, pH 8.0, 10% Glycerol. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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