

**IL-9, Rat recombinant protein**  
**p40 cytokine, T-cell growth factor p40**  
**Catalog # PBV10738r****Specification**

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**IL-9, Rat recombinant protein - Product info**

Primary Accession [D4A8I9](#)  
Calculated MW ~14.3 kDa KDa

**IL-9, Rat recombinant protein - Additional Info**

Gene ID	116558
Gene Symbol	IL9
<b>Other Names</b>	
p40 cytokine, T-cell growth factor p40	
Gene Source	Rat
Source	E.coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	MQRCSTSWG I QHTSYLIENL KDDPSSK CSC SANVT SCLCL PIPSD DCTTP CFQEGMSQVT NATQQSKFSP FFFRVKRIVE TLKSNKCQFF SCEKPCNQTT AGNTVSFLKS LLKTFQKTEV QVQRSRA

**Target/Specificity**

IL-9

**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

**Format**

Lyophilized powder

**Storage**

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.

**IL-9, Rat recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**IL-9, Rat recombinant protein - Images****IL-9, Rat recombinant protein - Background**

IL-9 is an immunoregulatory cytokine produced by IL-2 activated Th2 lymphocytes. IL-9 enhances the proliferation of T lymphocytes, mast cells, erythroid precursor cells and megakaryoblastic leukemia cell lines. Overexpression of IL-9 has been implicated in the pathogenesis of anaplastic lymphoma and Hodgkin's disease. Recombinant rat IL-9 is a 14.3 kDa protein of 127 amino acid residues including 10 cysteine residues which are fully conserved between the human and murine proteins.