

Datasheet for ABIN935591 IL-9 Protein



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Overview

Quantity:	10 µg
Target:	IL-9 (IL9)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MQRCSTTWGI RDTNYLIENL KDDPPSKCSC SGNVTSCCLCL SVPTDDCTTP CYREGLLQLT NATQKSRLLP VFHRVKRIVE VLKNITCPSF SCEKPCNQTM AGNTMSFLKS LLGTFQKTEM QRQKSRP
Characteristics:	Purified recombinant Mouse IL9 protein Expression System: E.coli Bioactivity: The ED50 as determined by the dose-dependent proliferation of human MO7e cells is 2×10^6 units/mg.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	IL-9 (IL9)
Alternative Name:	IL9 (IL9 Products)

Target Details

Background: IL9 is an immunoregulatory cytokine produced by IL2 activated Th2 lymphocytes. IL9 enhances the proliferation of T lymphocytes, mast cells, erthroid precursor cells and megakaryoblastic leukemia cell lines. Over-expression of IL9 has been implicated in the pathogenesis of anaplastic lymphoma and Hodgkin's disease. Whereas Mouse IL9 can function on human cells, human IL9 is inactive on mouse cells.

Alternative Names: p40 cytokine protein, IL-9 protein, IL-9, IL 9, T-cell growth factor p40 protein, IL9, Interleukin 9 protein, IL 9 protein, IL-9 protein

Molecular Weight: 14.3 kDa

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Supplied as a lyophilized powder.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C
