

Murine IL-9

Synonyms: P40, HP40, T-cell growth factor p40, IL-9, P40 cytokine.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1540.960.002		
10 µg	1540.960.010		
1 mg	1540.960.199		

Please enquire for bulk quantities and other vial sizes

Description

Interleukin-9 Murine Recombinant produced in *E.Coli* is a single, non-glycosylated single polypeptide chain containing 127 amino acids and having a molecular mass of 14.3kDa.

- **Biological Activity** $\geq 2 \times 10^7$ IU/mg
- **Source** *E. Coli*
- **Purity** ≥ 96 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** Lyophilized from a concentrated (1mg/ml) solution 10mM Na₂PO₄, pH 7.5*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ as determined by the dose-dependant stimulation of human MO7e cells is < 0.5 ng/ml, corresponding to a Specific Activity of 2,000,000IU/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized Interleukin-9 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL9 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MQRCSTTWGI RDTNYLIENL KDDPPSKCSC SGNVTSLCLL SVPTDDCTTP CYREGLLQLT NATQKSRLLP
 VFHRVKRIVE VLKNITCPSF SCEKPCNQTM AGNTMSFLKS LLGTFQKTEM QRQKSRP

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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