

Mouse IL 9 Recombinant Protein



RPPB0549

Product Information Protein Information

Product SKU:

RPPB0549

Accession:

P15247

Host:

Escherichia Coli.

Protein description:

Interleukin-9 Mouse 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. The IL-9 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

Lyophilized from a concentrated (1mg/ml) solution 10mM Na₂PO₄, pH 7.5.

Purity:

Greater than 96.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Interleukin 9 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

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 prevent freeze-thaw cycles.

Amino Acid Sequence:

MQRCSTTWGI RDTNYLIENL KDDPPSKCSC SGNVTSCCL SVPTDDCTTP CYREGLQLT NATQSRLLP
VFHRVKRIVE VLKNITCPSF SCEKPCNQTM AGNTMSFLKS LLGTFQKTEM QRQKSRP.

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.