9051 Mira Mesa Blvd, #910094
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IL 9 Rat

Interleukin-9 Rat Recombinant
CYK0355

Product Overview

Name	IL 9 Rat
Description	
Interleukin-9 Rat Recombinant	
Accession (Primary)	D4A8I9
Synonyms	
Interleukin 9, Protein Il9, Il9.	
Introduction	
Factor that is thought to be a regulator of hematopoiesis. It has been shown to enhance the growth of human mast cells and megakaryoblastic leukemic cells as well as murine helper t-cell clones. IL-9 is a glycoprotein with a molecular weight of 32-39 that is derived from T-cells, and maps to human chromosome 5.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
IL9 protein was lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.	
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.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
MQRCSTSWGI QHTSYLIENL KDDPSSKCSC SANVTSCLCL PIPSDDCTTP CFQEGMSQVT NATQQSKFSP FFFRVKRIVE TLKSNKCQFF SCEKPCNQTT AGNTVSFLKS LLKTFQKTEV QVQRSRA.	
Biological Activity	
The ED 50 as determined by a cell proliferation assay using murine TS1 cells is less than 10 ng/ml, corresponding to a specific activity of > 1.0 × 10 5 IU/mg.	

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Solubility

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

Precautions

IL 9 Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (D4A8I9)