

Recombinant Rat Il9 protein

Cat. No. Il9-2171R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Il9 protein was expressed in Escherichia coli.
Species	Rat
Source	E.coli
ProteinLength	127
Description	Cytokine involved in mast cell and megakaryoblastic leukemic cell proliferation and hemopoietic cell growth; human homolog may be involved in Hodgkins disease, malignant lymphoma, and asthma.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine TS1 cells is less than 10 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^5$ IU/mg.
Molecular Mass	Approximately 14.3 kDa, a single non-glycosylated polypeptide chain containing 127 amino acids.
AA Sequence	MQRCSTSWGIIQHTSYLIENLKDDPSSKSCSANVTSCLCPIPSDDCTTPCFQEGM SQVTNATQQSKFSPFFFRVKRIVETLKSNCQFFSCEKPCNQTTAGNTVSFLKSLLK TFQKTEVQVQRSRA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 0.1 EU/g of rRtIL-9 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

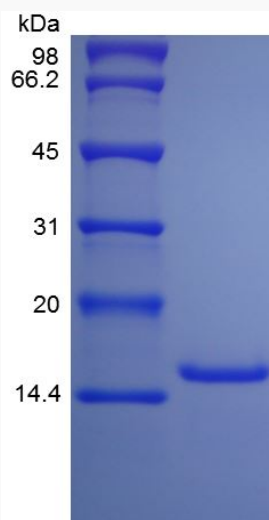
Gene Name	IL9
Official Symbol	IL9
Synonyms	IL9; interleukin 9; interleukin-9;
Gene ID	116558
mRNA Refseq	NM_001105747
Protein Refseq	NP_001099217
UniProt ID	D4A8I9

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**SDS-PAGE of IL9-
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