



# Recombinant Rat IL-9

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>R20-055S</b>
Size:	2 µg
Lot. No.:	According to product label

### Sequence

```
MQRCSWSGI QHTSYLIENL KDPSSKCS SANVTSCLCL  
PIPSDDCTP CFQEGMSQVT NATQQSKFSP FFRVKRIVE  
TLKSNKCQFF SCEKPCNQTT AGNTVSFLKS LLKTFQKTEV QVQRSRA
```

### Database References

<b>Protein RefSeq:</b>	NP_001099217
<b>Uniprot ID:</b>	D4A819
<b>mRNA RefSeq:</b>	NM_001105747

## Scientific Background

<b>Gene-ID (NCBI):</b>	116558
<b>Synonyms:</b>	il19

IL-9 is an immunoregulatory cytokine produced by IL-2 activated Th2 lymphocytes. IL-9 enhances the proliferation of T lymphocytes, mast cells, erthroid precursor cells and megakaryoblastic leukemia cell lines. Over-expression of IL-9 has been implicated in the pathogenesis of anaplastic lymphoma and Hodgkin's disease. Recombinant rat IL-9 is a 14.3 kDa protein of 127 amino acid residues including 10 cysteine residues which are fully conserved between the human murine proteins.

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	127
<b>MW:</b>	14.3 kDa

**Biological Activity:** Testing in progress.



**AVOID REPEATED FREEZE AND THAW CYCLES!**