



## Recombinant Mouse RANTES (CCL 5)

20150227BB



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

|                  |                            |
|------------------|----------------------------|
| <b>Cat.-no.:</b> | <b>M10-038S</b>            |
| Size:            | 5 µg                       |
| Lot. No.:        | According to product label |

### Sequence

SPYGSDDTTPC CFAYLSLALP RAHVKEYFYT SSKCSNLAVV  
FVTRRNQRVC ANPEKKWQVE YINYLEMS

### Database References

|                        |             |
|------------------------|-------------|
| <b>Protein RefSeq:</b> | NP_038681.2 |
| <b>Uniprot ID:</b>     | P30882      |
| <b>mRNA RefSeq:</b>    | NM_013653.3 |

## Scientific Background

|                        |   |
|------------------------|---|
| <b>Gene-ID (NCBI):</b> | 20304                                       |
| <b>Synonyms:</b>       | Ccl5; SISd; Scya5; RANTES; TCP228; MuRantes |

RANTES is a CC-chemokine that can signal through the CCR1, CCR3, CCR5 and US28 (cytomegalovirus receptor) receptors. It is a chemoattractant towards monocytes, memory T cells (CD4+/CD45RO), basophils, and eosinophils. RANTES also has the capability to inhibit certain strains of HIV-1, HIV-2 and simian immunodeficiency virus (SIV). Recombinant murine RANTES is a 7.8 kDa protein containing 68 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

## 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>    | 68                                 |
| <b>MW:</b>             | 7.8 kDa                            |

**Biological Activity:** Determined by its ability to chemoattract total human lymphocyte population and total murine T cell population using a concentration range of 1.0-10.0 ng/ml.



**AVOID REPEATED FREEZE AND THAW CYCLES!**