



Recombinant Rat RANTES (CCL 5)

20180507BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	R20-012
Size:	20 µg
Lot. No.:	According to product label

Sequence

SPYGSDDTTPC CFAYLSLALP RAHVKEYFYT SSKCSNLAVV
FVTRRRNRQVC ANPEKKWVQE YINYLEMS

Database References

Protein RefSeq:	AAA96499
Uniprot ID:	P50231
mRNA RefSeq:	U06436

Scientific Background

Gene-ID (NCBI):	81780
Synonyms:	Regulation upon Activation Normal T cell Express Sequence, CCL5, SIS-delta

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 Rat 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

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	68
MW:	7.8 kDa



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Assay#1: Determined by its ability to chemoattract rat peritoneal macrophages using a concentration range of 50.0-100.0 ng/ml.

Assay#2: Determined by its ability to chemoattract human blood monocytes using a concentration range of 10.0-100.0 ng/ml.