



Recombinant Human RANTES (CCL 5)

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-095
Size:	20 µg
Lot. No.:	According to product label

Sequence

SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV
FVTRKNRQVC ANPEKKWVRE YINSLEMS

Database References

Protein RefSeq:	NP_002976.2
Uniprot ID:	P13501
mRNA RefSeq:	NM_002985

Scientific Background

Gene-ID (NCBI):	6352
Synonyms:	CCL5; SISd; SCYA5; RANTES; TCP228; D17S136E

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 human 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

Biological Activity: Determined by its ability to chemoattract human blood monocytes using a concentration range of 1.0-10.0 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!