

## Recombinant Human RANTES (Regulation upon Activation Normal T cell Express Sequence)

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### Product Description

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.

### Typical Specifications

<b>Species</b>	Human
<b>Expression</b>	E. coli Cell Expressed
<b>Purity</b>	≥98%
<b>Endotoxin</b>	<1.0 EU/μg
<b>Molecular Mass</b>	7.8 kDa
<b>Country of Origin</b>	USA

### Purity Confirmation

This was determined by SDS-PAGE gel and HPLC analysis.

### Activity Assay

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

### AA Sequence

SPYSSDTTPC      CFAYIARPLP      RAHIKEYFYT  
SGKCSNPAVV      FVTRKNRQVC      ANPEKKWVRE  
YINSLEMS

### Reconstitution Buffer

Centrifuge the vial prior to opening.  
Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex.

### Storage

This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

### Limited Use and Restrictions

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