

## Recombinant Human Regulation upon Activation Normal T cell Express Sequence/CCL5 (Human RANTES/CCL5)

### Product Information

Product Name	Cat#	Size
Recombinant Human Regulation upon Activation Normal T cell Express Sequence/CCL5 (Human RANTES/CCL5)	90954ES08	5 µg
	90954ES60	100 µg
	90954ES76	500 µg

### 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.

### Product Properties

<b>Synonyms</b>	SIS-delta, Small-inducible cytokine A5, T-cell-specific protein RANTES
<b>Accession</b>	P13501
<b>GeneID</b>	6352
<b>Source</b>	E.coli-derived Human CCL5 protein,Ser24-Ser91.
<b>Molecular Weight</b>	Approximately 7.8 kDa
<b>AA Sequence</b>	SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS
<b>Tag</b>	None
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	> 98% by SDS-PAGE and HPLC analyses.
<b>Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 1.0-10 ng/mL.
<b>Endotoxin</b>	<0.1 EU/µg of protein as determined by LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 20mM PB, pH 7.4, 100 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
<b>Reconstitution</b>	Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

### Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### Cautions

1. Avoid repeated freeze-thaw cycles.

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2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.