

Recombinant Rhesus Macaque Regulation upon Activation Normal T cell Express Sequence/CCL5 (Rhesus Macaque RANTES/CCL5)

Product Information

Product Name	Cat#	Size
Recombinant Rhesus Macaque Regulation upon Activation Normal T cell Express Sequence/CCL5 (Rhesus Macaque RANTES/CCL5)	90974ES08	5 µg
	90974ES60	100 µg
	90974ES76	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 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

Synonyms	CCL5
Accession	Q8HYQ1
GeneID	574178
Source	E.coli-derived Rhesus Macaque RANTES/CCL5 protein,Ser24-Ser91.
Molecular Weight	Approximately 7.8 kDa.
AA Sequence	SPHASDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 98% by SDS-PAGE and HPLC analyses.
Biological Activity	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.
Endotoxin	<0.1 EU/µg of protein as determined by LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in 20mM PB, pH 6.0, 500mM NaCl.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.