

# Recombinant Human CCL5/RANTES Protein

Catalog No.: RP01750LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	6352	P13501

### Tags

C-6His

### Synonyms

SISd; eoCP; SCYA5; RANTES; TCP228; D17S136E; SIS-delta

## Product Information

Source	Purification
<i>E. coli</i>	> 97% by SDS-PAGE.

### Endotoxin

&lt; 1EU/μg

### Formulation

Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.

### Reconstitution

## Background

Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor chemokine (C-C motif) receptor 5 (CCR5), and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. Alternative splicing results in multiple transcript variants that encode different isoforms.

## Basic Information

### Description

Recombinant Human CCL5/RANTES Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser24-Ser91) of human CCL5/RANTES (Accession #NP\_002976.2) fused with and a 6×His tag at the C-terminus.

### Bio-Activity

### Storage

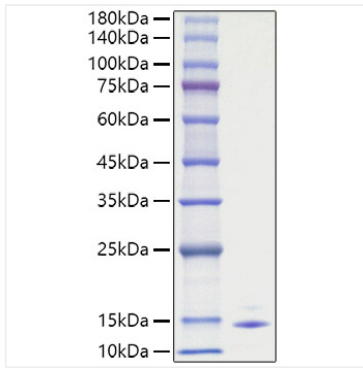
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

## Contact

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## Validation Data

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Recombinant Human CCL5/RANTES Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 7.8 kDa.