# Recombinant Human CCL5/RANTES Protein

## Catalog No.: RP01611LQ



## Sequence Information

**Species**
Human

**Gene ID**
6352

**Swiss Prot**
P13501

**Tags**
C-His

**Synonyms**
D17S136E; eoCP; RANTES; SCYA5; SIS-delta; SISd; TCP228,CCL5

## Product Information

**Source**
*Pichia*

**Purification**
≥ 95 % as determined by SDS-PAGE.

**Calculated MW**
8.69 kDa

**Observed MW**
10-15 kDa

**Endotoxin**
< 0.1 EU/μg of the protein by LAL method.

**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 *Pichia* expression system. The target protein is expressed with sequence (Ser24-Ser91) of human CCL5/RANTES (Accession #NP_002976.2) fused with a 6×His tag at the C-terminus.

### Activity
Measured by its binding ability in a functional ELISA. Immobilized Human CCL5 (Catalog: RP01611LQ) at 2 μg/mL (100 μL/well) can bind Mouse CXCL4 (Catalog: RP03170) with a linear range of 41.2-815 ng/mL.

### Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

### Storage
Store at -70℃

### Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

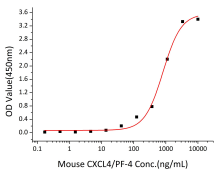
**Contact**

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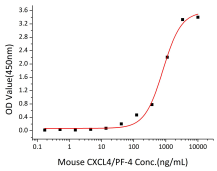


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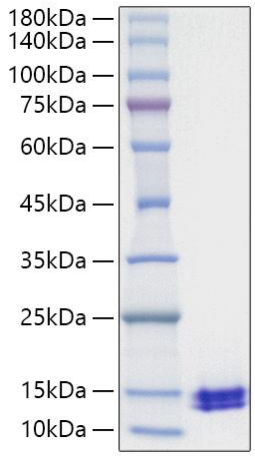
## Validation Data




Measured by its binding ability in a functional ELISA. Immobilized Human CCL5 (Catalog: RP01611LQ) at 2 μg/mL (100 μL/well) can bind Mouse CXCL4(Catalog: RP03170) with a linear range of 41.2-815 ng/mL.




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Recombinant Human CCL5/RANTES Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.