

# Recombinant human CCL5/RANTES protein

Catalog Number: ATGP0374

## PRODUCT INFORMATION

---

**Expression system**

E.coli

**Domain**

24-91aa

**UniProt No.**

P13501

**NCBI Accession No.**

NP\_002976

**Alternative Names**

TCP228, T cell specific RANTES protein, T cell specific protein p288, Small inducible cytokine subfamily A (Cys Cys) member 5, Small inducible cytokine A5 Beta chemokine RANTES precursor, Small inducible cytokine A5 (RANTES), Small inducible cytokine A5, SISd, SIS delta, SCYA5, Regulated upon activation normally T expressed and presumably secreted, MGC17164, Eosinophil chemotactic cytokine, EoCP, D17S136E, Chemokine CC Motif Ligand 5, CCL5

## PRODUCT SPECIFICATION

---

**Molecular Weight**

7.9 kDa (69aa) confirmed by MALDI-TOF

**Concentration**

0.5mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 10mM Sodium Citrate buffer (pH 3.5) containing 10% glycerol

**Purity**

> 95% by SDS-PAGE

**Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

**Tag**

Non-Tagged

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

# Recombinant human CCL5/RANTES protein

Catalog Number: ATGP0374

## Description

Rantes, also known as CCL5, is the protein classified as a chemotactic cytokine or chemokine. This protein is a chemotactic for blood monocytes, memory T helper cells, eosinophils and basophils, and plays an active role in recruiting leukocytes into inflammatory sites. Rantes also induces the proliferation and activation of certain natural-killer (NK) cells to form CHAK (CC-Chemokine-activated killer) cells. It is also an HIV-suppressive factor released from CD8+ T cells. Recombinant RANTES protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

## Amino acid Sequence

MSPYSSDTTP CCFAYIARPL PRAHIKEYFY TSGKCSNPAV VVFTRKNRQV CANPEKKWVR EYINSLEMS

## General References

Maghazachi Aa., et al. (1996) *Eur J Immunol.* 26(2):315-9.  
Duggal P., et al. (2005) *J Acquir Immune Defic Syndr.* 38(5):584-9.

## DATA

### SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

