

# Rantes Mouse

*Rantes Mouse Recombinant (CCL5)*  
*CHK0153*

## Product Overview

Name Rantes Mouse

### Description

Rantes Mouse Recombinant (CCL5)

Accession (Primary) [P30882](#)

### Synonyms

Small inducible cytokine A5, CCL5, T-cell-specific RANTES protein, SIS-delta, T cell- specific protein P228, TCP228, chemokine (C-C motif) ligand 5, SISd, SCYA5, RANTES, D17S136E, MGC17164.

### Introduction

Regulated upon Activation, Normal T-cell Expressed, and Secreted or RANTES is an 8 kDa protein classified as a chemotactic cytokine or chemokine. It has recently been renamed CCL5. RANTES is chemotactic for T cells, eosinophils and basophils and plays an active role in recruiting leukocytes into inflammatory sites. With the help of particular cytokines (i.e. IL-2 and IFN- $\gamma$ ) that are released by T cells, RANTES also induces the proliferation and activation of certain natural killer (NK) cells to form CHAK (CC-Chemokine-activated killer) cells. It is also a HIV-suppressive factor released from CD8+ T cells. This chemokine has been localized to chromosome 17 in humans.

### Source

Escherichia Coli.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a concentrated (1mg/ml) solution in water containing no additives.

### Stability

Lyophilized Rat Rantes although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Rat CCL5 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

### Amino acid sequence

SPYGSDDTTPC CFAYLSLALP RAHVKEYFYT SSKCSNLAVV FVTRRRNRQVC ANPEKKWVQE YINYLEMS.

### Biological Activity

The activity is determined by the ability to chemoattract total human lymphocytes and murine T-cells at a concentration between 1-10ng/ml corresponding to a Specific Activity of 100,000-1,000,000IU/mg.

### Solubility

It is recommended to reconstitute the lyophilized Rantes in sterile 18M<sup>2</sup>-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Precautions

Rantes Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information: ( [P30882](#) )**