

Datasheet for ABIN6952206  
**CCL5 Protein (AA 24-91)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	CCL5
Protein Characteristics:	AA 24-91
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Cell Migration Assay (CMA)

## Product Details

Sequence:	SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS
Characteristics:	Recombinant Human CCL5 (Rantes)
Purity:	> 97 % by SDS PAGE
Endotoxin Level:	<0.01 EU per 1µg of the protein by the LAL method
Biological Activity Comment:	EC50 = 0.13 nM determined by Migration Assay in cells expressing recombinant CCR5

## Target Details

Target:	CCL5
Alternative Name:	CCL5 (Rantes) ( <a href="#">CCL5 Products</a> )

## Target Details

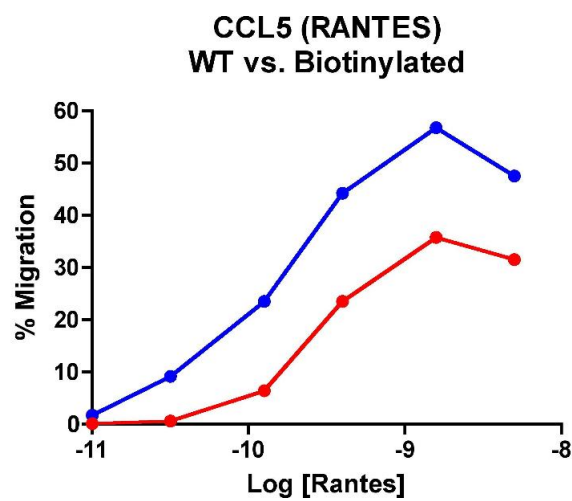
Background:	Regulated on Activation, Normal T cell Expressed and Secreted (RANTES) (CCL5) is a proinflammatory chemokine that induces migration and activation of leukocytes, as well as implication in HIV infection. It binds to cell surface receptors CCR1, CCR3, CCR4, and CCR5. Its biological effects on leukocyte activation and HIV infection displays dependence on concentration and on the binding of cell surface glycosaminoglycans.
Molecular Weight:	7.851 kDa
UniProt:	<a href="#">P13501</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Spin tube prior to resuspending. Recommended at 100 µg/mL in sterile water
Storage:	-20 °C, -80 °C
Storage Comment:	12 months from date of receipt, -20 to -70 °C as supplied. Suggest to use immediately after reconstitution 1 month at -20 to -70 °C under sterile conditions after reconstitution.
Expiry Date:	12 months



**Cellular Assay**

**Image 1.** Cells expressing recombinant CCR5 were assayed for migration through a transwell filter at various concentrations of WT Rantes or Biotinylated Rantes. Responses are expressed as the % of total input cells (Blue: wild type; Red: biotinylated).