BioVision

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For research use only

# RANTES, human recombinant

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|---|---|---|
| **CATALOG #:** | 4321-20 | 20 µg |
| | 4321-100 | 100 µg |
| | 4321-1000 | 1 mg |

ALTERNATE NAMES: C-C motif chemokine 5, EoCP, Eosinophil chemotactic, SIS-delta, Small-inducible cytokine A5, T cell-specific protein P228, TCP228, T-cell-specific protein RANTES

**SOURCE:** *E. coli*

**PURITY:** >98% by SDS-PAGE and HPLC analyses

**ENDOTOXIN CONTENT:** Endotoxin level is <0.1 ng/µg of RANTES

**MOL. WEIGHT:** 10.1 kDa

**FORM:** Lyophilized.

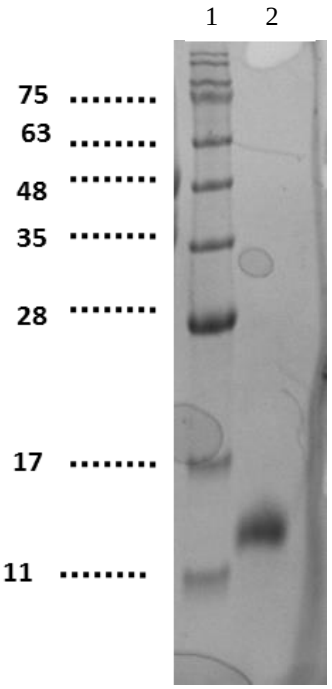
**FORMULATION:** Lyophilized without any additives

**RECONSTITUTION:**
Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1 µg/µl. This solution can then be diluted into other aqueous buffers and stored at 4˚C for 1 week or –20˚C for future use.

**STORAGE CONDITIONS:**
The lyophilized human RANTES is best-stored desiccated below 0˚C. Reconstituted RANTES should be stored in working aliquots at -20˚C. For long term storage, it is recommended to add a carrier protein (0.1% BSA). Please prevent freeze/thaw cycles.

**DESCRIPTION:**
RANTES is a CC-chemokine that can signal through the CCR1, CCR3, CCR5 and US28 (cytomegalovirus receptor) receptors. It is a chemoattractant towards monocytes, memory T cells (CD4+/CD45RO), basophils, and eosinophils. RANTES also has the capability to inhibit certain strains of HIV-1, HIV-2 and simian immunodeficiency virus (SIV). Recombinant human RANTES is a fusion protein containing 68 amino acid residues of RANTES (P13501 (24-91) including the four highly conserved cysteine residues present in the CC chemokines and a short His-tag.

**BIOLOGICAL ACTIVITY:**
Determined by its ability to chemoattract human blood monocytes using a concentration range of 1-10 ng/ml.




SDS-PAGE of purified rh RANTES
Lane 1: MW Markers
Lane 2: rh RANTES (2 ug)

**RELATED PRODUCTS:**

- RANTES, murine recombinant **(Cat. No. 4322-20, -1000)**
- RANTES, rat recombinant **(Cat. No. 4323-20, -100, -1000)**
- RANTES Antibody **(Cat. No. 5321-100)**
- RANTES Antibody **(Cat. No. 5323-100)**
- RANTES (Mouse) ELISA Kit **(Cat. No. K4771-20, -100)**

***FOR RESEARCH USE ONLY! Not to be used on humans.***

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