

RANTES, human recombinant protein

Small inducible cytokine A5, CCL5, T-cell-specific RANTES protein, SIS-delta, T cell-specific prote

Catalog # PBV10219r

Specification

RANTES, human recombinant protein - Product info

Primary Accession

[P13501](#)

Calculated MW

10.1 kDa KDa

RANTES, human recombinant protein - Additional Info

Gene ID

6352

Gene Symbol

TCP228

Other Names

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.

Gene Source

Human

Source

E. coli

Assay&Purity

SDS-PAGE; ≥98%

Assay2&Purity2

HPLC; ≥98%

Recombinant

Yes

Results

1-10 ng/ml

Target/Specificity

RANTES

Application Notes

Reconstitute in H₂O 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.

Format

Lyophilized protein

Storage

-20°C; Lyophilized with no additives

RANTES, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

RANTES, human recombinant protein - Images

RANTES, human recombinant protein - Background

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 7.8 kDa protein containing 68 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

RANTES, human recombinant protein - References

Schall T.J., et al. J. Immunol. 141:1018-1025(1988).
Nomiyama H., et al. J. Interferon Cytokine Res. 19:227-234(1999).
Capoulade-Metay C., et al. Immunogenetics 58:533-541(2006).
Jang J.S., et al. Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.
Zeng Q.P., et al. Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.