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32-1984: Rantes Recombinant Protein

Alternative Name :	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.

Description

Source : Escherichia Coli. Rantes Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 68 amino acids and having a molecular mass of 7809.2 Dalton. The Rantes is purified by proprietary chromatographic techniques. Regulated upon Activation, Normal T-cell Expressed, and Secreted or RANTES is an 8 kDa protein classified as a chemotactic cytokine or chemokine. Rantes 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-g) 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. Rantes is also an HIV-suppressive factor released from CD8+ T cells. The Rantes chemokine has been localized to chromosome 17 in humans.

Product Info

Amount :	20 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in 50mM NaAc, pH 5.0, 100mM NaCl.
Storage condition :	Lyophilized Rantes although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Rantes 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.
Amino Acid :	SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS.

Application Note

It is recommended to reconstitute the lyophilized Rantes in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The Rantes activity is determined by the chemoattract of human blood monocytes at a concentration between 1-10ng/ml corresponding to a Specific Activity of 100,000-1,000,000IU/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.