9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Rantes Rat

Rantes Rat Recombinant (CCL5)
CHK0154

Product Overview

Name	Rantes Rat
Description	
Rantes Rat Recombinant (CCL5)	
Accession (Primary)	P50231
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-?) 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	
SPYGSDTTPC CFAYLSLALP RAHVKEYFYT SSKCSNLAVV FVTRRNRQVC ANPEKKWVQE YINYLEMS.	

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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 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (P50231)