

Rantes Rat Recombinant (CCL5)

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| Item Number | rAP-0254 |
| 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. |
| Description | Rantes Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 68 amino acids and having a molecular mass of 7876 Dalton. The Rat Rantes is purified by proprietary chromatographic techniques. |
| Uniprot Accesion Number | P50231 |
| Amino Acid Sequence | SPYGSDDTTPC CFAYLSLALP RAHVKEYFYT SSKCSNLAVV FVTRRNQRVC ANPEKKWWQE YINYLEMS. |
| Source | Escherichia Coli. |
| Physical Appearance and Stability | Sterile Filtered White lyophilized (freeze-dried) powder. 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. |
| Formulation and Purity | Lyophilized from a concentrated (1mg/ml) solution in water containing no additives. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE. |
| Application | |
| Solubility | It is recommended to reconstitute the lyophilized Rantes in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. |
| 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. |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**