CCL5
Recombinant Human RANTES/CCL5

Catalog No.	CRR000A	**Quantity:**	5 µg
	CRR000B		20 µg
	CRR000C		1.0 mg

Alternate Names: RANTES, SCYA5, SISd, TCP228, SIS-delta, T-cell specific RANTES protein, T-cell specific protein p288, beta-chemokine RANTES, regulated upon activation, normally T-expressed, and presumably secreted, small inducible cytokine A5, small inducible cytokine A5 (RANTES), small inducible cytokine subfamily A (Cys-Cys), member 5

Description: Recombinant Human RANTES/CCL5 is a single non-glycosylated polypeptide chain containing 68 amino acids.
Background: RANTES/CCL5 (acronym for Regulated upon Activation, Normal T cell Expressed and presumably Secreted), was initially discovered by subtractive hybridization as a transcript expressed in T cells but not B cells. Eosinophil chemotactic activities released by thrombin stimulated human platelets have also been purified and found to be identical to RANTES. Besides T cells and platelets, RANTES has been reported to be produced by renal tubular epithelium, synovial fibroblasts and selected tumor cells.

Gene ID: 6352

Source: *E. coli*

Molecular Weight: 7.8 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4 + 100 mM NaCl.

Purity: >98% as determined by HPLC and SDS-PAGE analyses

Endotoxin Level: Less than 1EU/µg of recombinant human RANTES/CCL5 as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 1.0-10 ng/ml.

Amino Acid Sequence: SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: This lyophilized preparation is stable at 2-8°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

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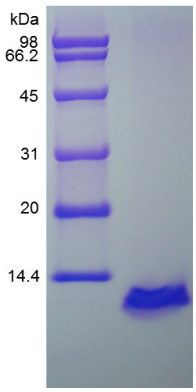
SDS-PAGE



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