

Recombinant Rat Chemokine (C-C Motif) Ligand 5

Cat. No. Ccl5-104R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat RANTES produced in <i>E.coli</i> is a 7.9 kDa protein containing 69 amino acid residues.
Species	Rat
Source	E.coli
Description	RANTES is a protein which has been shown to be a chemoattractant for peripheral blood monocytes. It appears to selectively attract T cells of the CD4+/CD45RO+ phenotype in vitro.
Purity	> 98% (SDS-PAGE; HPLC).
Endotoxin level	< 0.1 ng/g of RANTES.
Stabilizer	None.
Formulation	Lyophilized.
Biologically Activity	Rat RANTES produces chemotaxis over a wide concentration range in an assay using rat peritoneal macrophages. Significant chemotaxis was achieved using a concentration of 10-50 ng/ml.
Reconstitution	The lyophilized RANTES is soluble in water and most aqueous buffers. The lyophilized powder should be reconstituted in water to a concentration of 100 ng/μl. It is

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recommended that further dilutions be made into buffer containing carrier protein or medium containing serum.

Stability

The lyophilized powder, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted RANTES should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name Ccl5 chemokine (C-C motif) ligand 5 [*Rattus norvegicus*]

Synonyms Ccl5; chemokine (C-C motif) ligand 5; Scya5; Rantes; small inducible cytokine A5; RANTES; small inducible cytokine A5 (RANTES)

Gene ID 81780

mRNA Refseq NM_031116

Protein Refseq NP_112378

UniProt ID P50231

Chromosome Location q26

Pathway Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Prion diseases; Toll-like receptor signaling pathway

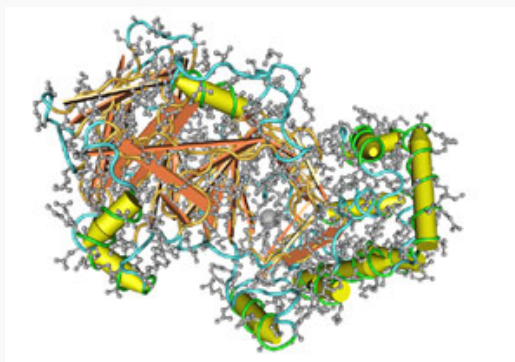
Function chemoattractant activity; chemokine activity

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