

Recombinant Human Chemokine (C-C Motif) Ligand 5

Cat. No. CCL5-125H Lot. No. (See product label)

SPECIFICATION

Species Human

Source Mammalian Cells

Description

RANTES also known as Chemokine (C-C motif) ligand 5 (CCL5), a CC-chemokine is an important mediators of the immune and inflammatory response. It is also a potent chemoattractant for T cells and eosinophils. RANTES is involved in many inflammatory diseases, for example, bronchial asthma, delayed-type hypersensitivity reactions, viral infections, arthritis, chronic eosinophilic pneumonia, and idiopathic interstitial pneumonia.

State Of Matter Lyophilized.

Purity >90% by SDS Page and analyzed by silver stain.

Endotoxin <1.0 EU/g as determined by the LAL method.

Molecular Weight

The predicted molecular weight of Recombinant Human RANTES is Mr 34 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 85-105 kDa.

Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

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GENE INFORMATION

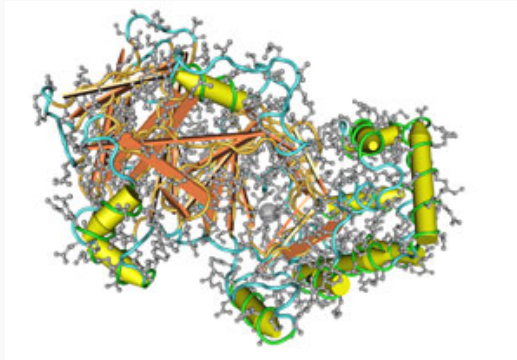
Gene Name	CCL5 chemokine (C-C motif) ligand 5 [Homo sapiens]
Synonyms	CCL5; chemokine (C-C motif) ligand 5; SISd; beta-chemokine RANTES; EoCP; RANTES; TCP228; MGC17164; SCYA5; RANTES; TCP228; D17S136E; MGC17164; chemokine (C-C motif) ligand 5; regulated upon activation; normally T-expressed; and presumably secrete; presumably secreted; small inducible cytokine A5; small inducible cytokine A5 (RANTES); small inducible cytokine subfamily A (Cys-Cys); member 5; Small-inducible cytokine A5; Small-inducible cytokine A5; T cell-specific protein P228; Eosinophil-chemotactic cytokine; RANTES(3-68); RANTES(4-68); T-cell specific RANTES protein; T-cell-specific protein RANTES; SIS-delta
Gene ID	6352
mRNA Refseq	NM_002985
Protein Refseq	NP_002976
MIM	187011
UniProt ID	P13501
Chromosome Location	17q11.2-q12
Pathway	Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Epithelial cell signaling in Helicobacter pylori infection; Prion diseases; Toll-like receptor signaling pathway; Signaling by GPCR
Function	chemoattractant activity; chemokine activity; signal transducer activity

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on 1pmi.



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