

Recombinant Human CCL5 Protein, Mature chain, Tag Free, Biotinylated

Cat. No. CCL5-211H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RANTES-CCL5 protein was developed from E. coli.
Species	Human
Source	E.coli
ProteinLength	Mature chain
Description	This gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, functions as a chemoattractant for blood monocytes, memory T helper cells and eosinophils. It causes the release of histamine from basophils and activates eosinophils. This cytokine is one of the major HIV-suppressive factors produced by CD8+ cells. It functions as one of the natural ligands for the chemokine receptor chemokine (C-C motif) receptor 5 (CCR5), and it suppresses in vitro replication of the R5 strains of HIV-1, which use CCR5 as a coreceptor. Alternative splicing results in multiple transcript variants that encode different isoforms.
Conjugation/Label	Biotin
Form	Lyophilised

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Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
Applications	ELISA, WB
Notes	FOR RESEARCH USE ONLY (RUO).
Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at -20 centigrade for six months, with a carrier protein without detectable loss
Storage Buffer	Lyophilised from 0.2 μm filtered PBS solution.
Reconstitution	Upon receipt a quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CCL5 chemokine (C-C motif) ligand 5 [Homo sapiens (human)]
Official Symbol	CCL5
Synonyms	CCL5; chemokine (C-C motif) ligand 5; D17S136E, SCYA5, small inducible cytokine A5 (RANTES); C-C motif chemokine 5; beta chemokine RANTES; MGC17164; RANTES; regulated upon activation; normally T expressed; and presumably secreted; SIS delta; SISd; small inducible cytokine subfamily A (Cys Cys); member 5; T cell specific protein p288; T cell specific RANTES protein; TCP228; eoCP; SIS-delta; beta-chemokine RANTES; small-inducible cytokine A5; T-cell specific protein p288; t cell-specific protein P228; T-cell-specific protein RANTES; eosinophil chemotactic

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cytokine; small inducible cytokine A5 (RANTES); small inducible cytokine subfamily A (Cys-Cys), member 5; regulated upon activation, normally T-expressed, and presumably secreted; SCYA5; D17S136E;

Gene ID [6352](#)

mRNA Refseq [NM_002985](#)

Protein Refseq [NP_002976](#)

MIM [187011](#)

UniProt ID [P13501](#)

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