

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant human RANTES-CCL5 protein was developed from E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Mature chain
<b>Description</b>	<p>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.</p>
<b>Conjugation/Label</b>	Biotin
<b>Form</b>	Lyophilised

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<b>Endotoxin</b>	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
<b>Applications</b>	ELISA, WB
<b>Notes</b>	FOR RESEARCH USE ONLY (RUO).
<b>Storage</b>	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
<b>Storage Buffer</b>	Lyophilised from 0.2 μm filtered PBS solution.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	CCL5 chemokine (C-C motif) ligand 5 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CCL5
<b>Synonyms</b>	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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