

## Recombinant Human CCL5 Protein, His-tagged

Cat. No. CCL5-151H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human C-C motif chemokine ligand 5(CCL5), transcript variant 1(NM_002985), with a His tag, was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<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>Form</b>	Purified protein formulated in a sterile solution of TBS buffer, pH7.75, without any preservatives.
<b>Molecular Mass</b>	7.8 kDa

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<b>Endotoxin</b>	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
<b>Purity</b>	>90% by SDS-PAGE gel and Coomassie Blue staining
<b>Applications</b>	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

## GENE INFORMATION

<b>Gene Name</b>	CCL5 chemokine (C-C motif) ligand 5 [ Homo sapiens ]
<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 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;
<b>Gene ID</b>	6352
<b>mRNA Refseq</b>	NM_002985
<b>Protein Refseq</b>	NP_002976
<b>MIM</b>	187011

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