

Recombinant Human CCL5 Protein, Biotin-tagged

Cat. No. CCL5-57H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL5 Protein, fused to Biotin-tag, was expressed in E. coli.
Species	Human
Source	E.coli
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.
AA Sequence	SPYSSDTTPC CFAYIARPLP RAHIKEYFYT SGKCSNPAVV FVTRKNRQVC ANPEKKWVRE YINSLEMS + Linker
tmpcolum67	C-C motif chemokine ligand 5
Conjugation	Biotin

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GENE INFORMATION

Gene Name	CCL5 C-C motif chemokine ligand 5 [Homo sapiens (human)]
Official Symbol	CCL5
Synonyms	SISd; eoCP; SCYA5; RANTES; TCP228; D17S136E; SIS-delta
Gene ID	6352
mRNA Refseq	NM_002985
Protein Refseq	NP_002976
MIM	187011
UniProt ID	P13501

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