

Recombinant Human CCL5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CCL5-2625H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CCL5 MS Standard C13 and N15-labeled recombinant protein (NP_002976) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	10 kDa
AA Sequence	MKVSAALAVILIATALCAPASAPYSSDTPCCFAYIARPLPRAHIKEYFYTSGKCSN

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	PAVVFVTRKNRQVCANPEKKWVREYINSLEMSTRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CCL5 C-C motif chemokine 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 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;

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Gene ID	6352
mRNA Refseq	NM_002985
Protein Refseq	NP_002976
MIM	187011
UniProt ID	P13501
SDS-PAGE	