

Recombinant Human CCL5 Protein

Cat. No. CCL5-43H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL5 Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	67 amino acid
Description	Human CCL5, also known as Regulated upon Activation, Normal T cell Expressed and presumably Secreted (RANTES), attracts and activates leukocytes and plays a primary role in the inflammatory immune response. CCL5 activates several G protein-coupled receptors including CCRs 1, 3, 4, and 5. CCL5 binding to CCR5 inhibits the infectivity of M-tropic HIV-1 strains. Proteolytic removal of the two N-terminal residues by CD26 generates a CCL5 variant that functions as a more potent HIV-1 inhibitor and a CCR5 antagonist.
Form	Lyophilized
Molecular Mass	7.84701 kDa
AA Sequence	SPYSSDTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQ VCANPEKK WVREYINSLEMS
Endotoxin	Endotoxin-free <0.01 EU/ug

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Purity	Purity assessed by HPLC, Mass Spectrometry, and NMR
Storage	Store at -20 to -80 centigrade for 12 months; Store at 4 centigrade for 6 months; Store at RT for 1 month.
tmpcolumn67	C-C motif chemokine ligand 5

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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