Active Recombinant Mouse Ccl5 Protein

Cat. No. Ccl5-133M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse chemokine (C-C motif) ligand 5 (Ccl5 / RANTES) (Ser24-Ala91) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	24-91 a.a.
Description	Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. May activate several chemokine receptors including CCR1, CCR3, CCR4 and CCR5. May also be an agonist of the G protein-coupled receptor GPR75. Together with GPR75, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. By activating GPR75 may also play a role in insulin secretion by islet cells.
Bio-activity	Bioactivity was measured by its ability to chemoattract Baf3-hCCR5 cells in a dose dependent manner.
Molecular Mass	7.8 kDa
Endotoxin	Less than 0.01 ng per μg protein as determined by the LAL method
Purity	>90%, as determined by Coomassie stained SDS-PAGE.

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Stability	Unopened vial can be stored between 2 centigrade and 8 centigrade for up to 2 weeks, at -20 centigrade for up to 6 months, or at -70 centigrade or below until the expiration date. Aliquots can be stored between 2 centigrade and 8 centigrade for up to one week and stored at -20 centigrade or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
Storage	Store at -80 centigrade.
Concentration	Protein formulated and vialed at >50 ug/mL in specified buffer
Storage Buffer	0.1 M Glycine, pH3.0

GENE INFORMATION

Gene Name	Ccl5 chemokine (C-C motif) ligand 5 [Mus musculus (house mouse)]
Official Symbol	Ccl5
Synonyms	Ccl5 chemokine (C-C motif) ligand 5; SISd; Scya5; RANTES; TCP228; MuRantes; C-C motif chemokine 5; SIS-delta; T-cell-specific protein RANTES; small-inducible cytokine A5
Gene ID	20304
mRNA Refseq	NM_013653
Protein Refseq	NP_038681
UniProt ID	P30882

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