

## Active Recombinant Mouse Ccl5 Protein

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Mouse chemokine (C-C motif) ligand 5 (Ccl5 / RANTES) (Ser24-Ala91) without tag was expressed in E.coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	24-91 a.a.
<b>Description</b>	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.
<b>Bio-activity</b>	Bioactivity was measured by its ability to chemoattract Baf3-hCCR5 cells in a dose dependent manner.
<b>Molecular Mass</b>	7.8 kDa
<b>Endotoxin</b>	Less than 0.01 ng per g protein as determined by the LAL method
<b>Purity</b>	>90%, as determined by Coomassie stained SDS-PAGE.

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<b>Stability</b>	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.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	Protein formulated and vialled at >50 ug/mL in specified buffer
<b>Storage Buffer</b>	0.1 M Glycine, pH3.0

## GENE INFORMATION

<b>Gene Name</b>	Ccl5 chemokine (C-C motif) ligand 5 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Ccl5
<b>Synonyms</b>	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
<b>Gene ID</b>	20304
<b>mRNA Refseq</b>	NM_013653
<b>Protein Refseq</b>	NP_038681
<b>UniProt ID</b>	P30882

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