

Recombinant Rat CCL6 protein

Cat. No. CCL6-1156R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CCL6 protein was expressed in Escherichia coli.
Species	Rat
Source	E.coli
ProteinLength	94
Description	Chemokine (C-C motif) ligand 6 (CCL6), encoded by the gene CCL6, is a small cytokine belonging to the CC chemokine family that has only been identified in rodents. It signals primarily through the CCR1 receptor. CCL6 is chemotactic for B cells, CD4+ T cells, monocytes and NK cells and also exhibits powerful suppressive activity on colony formation by different lineages of hematopoietic progenitors. It contains the four highly conserved cysteine residues present in CC chemokines.
Form	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM PB, pH 7.4, 50 mM NaCl.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CCR1 transfected murine BaF3 cells is in a concentration range of 10-100 ng/ml.
Molecular Mass	Approximately 10.4 kDa, a single non-glycosylated polypeptide chain containing 94 amino acids.

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AA Sequence	GLIQDTVKEDRPFNPNTIIHQGFQDSSDCCFSYASQIPCSRFIYYFPTSGGCTKPGIIFV TRKRKRVCANPSDQRVQTCISTLKLGP RSGNSAIA
Endotoxin	Less than 1 EU/μg of rRtC10/CCL6 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	CCL6
Official Symbol	CCL6
Synonyms	CCL6; chemokine (C-C motif) ligand 6; C-C motif chemokine 6; chemokine ligand 6; small-inducible cytokine A6; Mrp-1; Scay6;
Gene ID	287910
mRNA Refseq	NM_001004202

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Protein Refseq	NP_001004202
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UniProt ID	Q68FP3
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