

Recombinant Mouse Ccl6 protein

Cat. No. Ccl6-617M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccl6 protein was expressed in Escherichia coli.
Species	Mouse
Source	E.coli
ProteinLength	95
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. Murine CCL6 is expressed in myelopoietic bone marrow cultures when stimulated with GM-CSF, M-CSF, IL-3 or IL-4 and has also been detected in an IL-2-dependent T cell line, where the expression is inhibited following T cell stimulation. 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. The C10 contains the four highly conserved cysteine residues present in CC chemokines.
Form	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM Tris, pH 8.0, 500 mM NaCl.
Bio-activity	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human CCR1 transfected murine BaF3 cells is in a concentration range of 10-100 ng/ml.

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Molecular Mass	Approximately 10.7 kDa, a single non-glycosylated polypeptide chain containing 95 amino acids.
AA Sequence	GLIQEIEKEDRRYNPPIIHQGFQDTSSDCCFSYATQIPCKRFIYYFPTSGGCIKPGIIFIS RRGTQVCADPSDRRVQRCLSTLKQGPRSGNKVIA
Endotoxin	Less than 1 EU/g of rMuC10/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; CC chemokine C10; small inducible cytokine A6; small-inducible cytokine A6; c10; MRP-1; Scya6;
Gene ID	20305

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mRNA Refseq	NM_009139
Protein Refseq	NP_033165
UniProt ID	P27784

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