

Growth Factor Data Sheet

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Rat CCL6 is a chemokine containing four conserved cysteine residues, two of which are adjacent. It is expressed primarily in microglia and other macrophages, as well as myelopoietic bone marrow cells. Upregulation of expression of CCL6 has been observed after stimulation with IFNG, CSF1, CSF2, IL3, and IL4. CCL6 expression is also stimulated by IL-13 and is required for IL-13 stimulation of other chemokines. CCL6 is chemotactic for macrophages and lymphocytes and acts as a ligand primarily for CCR1. CCL6 has only been observed in rodents thus far; rat CCL6 is most homologous to human CCL14, CCL15, and CCL23.

Catalog Number	2540-06
Product Name	CCL6, Rat Recombinant Rat Chemokine (C-C motif) Ligand 6 (CCL6) Small Inducible Cytokine Subfamily A Member 6 (SCYA6) Macrophage Inflammatory Protein-Related Protein 1 (MRP1, MRP-1) C10
Source	<i>Escherichia coli</i>
MW	~10.4 kDa (94 amino acids)
Sequence	GLIQDTVKED RPFNPTIIHQ GFQDSSDCCF SYASQIPCSR FIYYFPTSGG CTKPGIIFVT RKRKRVCANP SDQRVQTCIS TLKLGPRSGN SAIA
Accession Number	Q68FP3
Purity	>97% by SDS-PAGE and HPLC analyses
Biological 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.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.