9051 Mira Mesa Blvd, #910094
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C-10 Mouse

C-10 Mouse Recombinant (CCL6)
CHK0009

Product Overview

Name	C-10 Mouse
Description	
C-10 Mouse Recombinant (CCL6)	
Accession (Primary)	P27784
Synonyms	
Small inducible cytokine A6, CCL6, C10 protein, c10, MRP-1, Scya6, chemokine (C-C motif) ligand 6.	
Introduction	
Chemokine (C-C motif) ligand 6 (CCL6) is a small cytokine belonging to the CC chemokine family that has only been identified in rodents. In mice, CCL6 is expressed in cells from neutrophil and macrophage lineages, and can be greatly induced under conditions suitable for myeloid cell differentiation. It is highly expressed in bone marrow cultures that have been stimulated with the cytokine GM-CSF. Some low levels of gene expression also occur in certain cell lines of myeloid origin (e.g. the immature myeloid cell lines DA3 and 32D cl3, and the macrophage cell line P388D) that can also be greatly induced in culture with GM-CSF. However, in activated T cell lines, expression of CCL6 is greatly reduced. CCL6 can also be induced in the mouse lung by the cytokine interleukin 13. Mouse CCL6 is located on chromosome 11. The cell surface receptor for CCL6 is believed to be the chemokine receptor CCR1.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
CCL6 Mouse was lyophilized from a 0.2 μm filtered concentrated solution in 1×PBS, pH 7.4.	
Stability	
Lyophilized C10 protein although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL6 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	

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GLIQEIEKED RRYNPPIIHQ GFQDTSSDCC FSYATQIPCK RFIYYFPTSG GCIKPGIIFI SRRGTQVCAD PSDRRVQRCL STLKQGPRSG NKVIA.

Biological Activity

The Biological activity was determined by its ability to chemoattract human CCR1 transfected BaF3 mouse proB cells using a concentration range of 0.05-0.25 µg/ml.

Solubility

It is recommended to reconstitute the lyophilized C10 protein in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

C-10 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P27784)