

## Overview

<b>Synonyms</b>	MEC/CCL28, Mouse;
<b>Description</b>	Mouse CCL28 (CC chemokine ligand 28) is a novel CC chemokine cloned from a Rag1 mouse kidney cDNA library. Human and mouse CCL28 are highly conserved, sharing 83% aa identity in their mature regions. Among CC chemokines, CCL28 shares the most homology with CCL27/CTACK. The mouse CCL28 gene has been mapped to the distal region of chromosome 13. Mouse CCL28 is produced by epithelial cells. Based on Northern blot analysis, it is mainly expressed in testes, kidney and brain. The receptor for CCL28 has been identified as the CCR10 (GPR2 orphan receptor) which is also the receptor for CCL27/CTACK.
<b>Species</b>	Mouse
<b>Source</b>	<i>E. coli</i>
<b>Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using murine lymphocytes is in a concentration range of 1.0-10.0 ng/ml.
<b>Sequence</b>	SEAILPMASS CTEVSHHVS GRLLERVSSC SIQRADGDCD LAAVILHVKR RRICISPHNR TLKQWMRASE VKKNGRENVK SGKKQPSRKD RKGHTTRKHR TRGTHRHEAS R

## Properties

<b>Measured Molecular Weight Purity</b>	Approximately 12.6 kDa, a single, non-glycosylated polypeptide chain containing 111 amino acids. > 97 % by SDS-PAGE and HPLC analyses.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
<b>Reconstitution</b>	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 d -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Endotoxin Level</b>	Less than 1 EU/µg of rMuMEC/CCL28 as determined by LAL method.
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Usage</b>	This material is for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.
<b>Storage</b>	This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. <b>Avoid repeated freeze/thaw cycles.</b>

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