

## Recombinant Mouse CCL20 Protein (Ala28-Met97)

Cat. No. CCL20-793M Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Mouse CCL20 Protein (NP\_058656.1) (Ala28-Met97) was produced by E. coli expression system. This protein was expressed with an initial Met.

**Species** Mouse

**Source** E.coli

**ProteinLength** Ala28-Met97

### Description

Chemokine (C-C motif) ligand 2 (CCL2) or liver activation regulated chemokine (LARC) or Macrophage Inflammatory Protein-3 (MIP3A) is a small cytokine belonging to the CC chemokine family that attracts immature dendritic cells and memory T lymphocytes, both expressing CCR6. Depending on the cell type, this chemokine was found to be inducible by cytokines (IL-1beta) and by bacterial, viral, or plant products (including LPS, dsRNA, and PMA). MIP3A / CCL2 is Expressed predominantly in the liver, lymph nodes, appendix, peripheral blood lymphocytes, and fetal lung. Low levels of MIP3A / CCL2 has been seen in thymus, prostate, testis, small intestine and colon. As a chemotactic factor, MIP3A / CCL2 attracts lymphocytes and, slightly, neutrophils, but not monocytes. This chemokine may Inhibit proliferation of myeloid progenitors in colony formation assays and it may be involved in formation and function of the mucosal lymphoid tissues by attracting lymphocytes and dendritic cells towards epithelial cells. Its C-terminal processed forms have been shown to be equally chemotactically active for leukocytes. Chemokine CCL2 was shown to play a role in colorectal cancer (CRC) pathogenesis.

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<b>Predicted N Terminal</b>	Met
<b>Form</b>	Lyophilized from sterile PBS. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant mouse CCL20 consists of 71 amino acids and predicts a molecular mass of 8.1 kDa.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Shipping</b>	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	Ccl20 chemokine (C-C motif) ligand 20 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	CCL20
<b>Synonyms</b>	CCL20; MIP-3-alpha; CC chemokine LARC; CKb4; LARC; ST38; MIP3A; MIP-3A;

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Scya20; MIP-3[a]; exodus-1;

**Gene ID**

[20297](#)

**mRNA Refseq**


[NM\\_001159738](#)

**Protein Refseq**

[NP\\_001153210](#)

**UniProt ID**

[O89093](#)

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