

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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Predicted N Terminal	Met
Form	Lyophilized from sterile PBS. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse CCL20 consists of 71 amino acids and predicts a molecular mass of 8.1 kDa.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	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.
Reconstitution	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.
Shipping	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

Gene Name	Ccl20 chemokine (C-C motif) ligand 20 [<i>Mus musculus</i>]
Official Symbol	CCL20
Synonyms	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 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA