

## Active Recombinant Rat Ccl20 Protein (71 aa)

Cat. No. Ccl20-170C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant rat MIP-3 $\alpha$ /CCL20 produced in HEK293 cells is a polypeptide chain containing 71 amino acids. A fully biologically active molecule, rrMIP-3 $\alpha$ /CCL20 has a molecular mass of 8.2 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	71
<b>Description</b>	Macrophage Inflammatory Protein-3 (MIP-3 $\alpha$ ), also known as chemokine (C-C motif) ligand 20 (CCL20) or liver activation regulated chemokine (LARC), is a small cytokine belonging to the CC chemokine family. It is strongly chemotactic for lymphocytes and weakly attracts neutrophils. MIP-3 $\alpha$ is implicated in the formation and function of mucosal lymphoid tissues via chemoattraction of lymphocytes and dendritic cells toward the epithelial cells surrounding these tissues. MIP-3 $\alpha$ is expressed in the liver, lymph nodes, appendix, PBL and lung and can signal through the CCR6 receptor.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	The EC <sub>50</sub> value of rat MIP-3 $\alpha$ /CCL20 on Ca <sup>2+</sup> mobilization assay in CHO-K1/G $\alpha$ 15/rCCR6 cells (human G $\alpha$ 15 and rat CCR6 stably expressed in CHO-K1 cells) is less than 0.6 $\mu$ g/mL.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Molecular Mass</b>	8.2 kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	ASNFDCCCLTYTKNVYHHARNFVGFTTQMADEACDINAIFHLKSKRSVCADPKQIWV KRILHLLSLRTRKMM
<b>Endotoxin</b>	< 0.2 EU/μg, determined by LAL method.
<b>Purity</b>	> 98% as analyzed by SDS-PAGE.
<b>Storage</b>	Lyophilized recombinant Rat MIP-3 α/CCL20 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, recombinant Rat MIP-3 α/CCL20 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
<b>Storage Buffer</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 μg/mL.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Ccl20 chemokine (C-C motif) ligand 20 [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	<a href="#">Ccl20</a>
<b>Synonyms</b>	CCL20; chemokine (C-C motif) ligand 20; C-C motif chemokine 20; MIP-3-alpha; CC chemokine LARC; CC chemokine ST38; beta chemokine exodus-1; beta-chemokine exodus-1; small-inducible cytokine A20; small inducible cytokine subfamily A20; macrophage inflammatory protein 3 alpha; liver and activation-regulated chemokine; ST38; Scya20;
<b>Gene ID</b>	<a href="#">29538</a>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



mRNA Refseq [NM\\_019233](#)

Protein Refseq [NP\\_062106](#)

UniProt ID [P97884](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA