

## Active Recombinant Human CCL3 Protein

**Cat. No.** CCL3-220C    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CCL3 Protein without tag was expressed in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	MIP-1 Alpha, also known as CCL3, G0S19-1 and SCYA3, is a small inducible monokine belonging to the intercrine beta (chemokine CC) family. It binds to CCR1, CCR4 and CCR5, and participates in the host response to invading pathogens by regulating the trafficking and activation of inflammatory cells, such as macrophages, lymphocytes, NK cells and dendritic cells. MIP-1 alpha polymorphisms are associated with HIV susceptibility or resistance.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	ED50 < 100 ng/mL, measured in a calcium flux assay using CHO/Gα15 cells expressing CCR5.
<b>Molecular Mass</b>	8-10 kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	ADTPTACCFSYTSRQIPQNFADYFETSSQCCKPGVIFLTKRSRQVCADPSEEWWQK YVSDLELSA
<b>Endotoxin</b>	< 0.2 EU/μg, determined by LAL method.

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<b>Purity</b>	> 95% as analyzed by SDS-PAGE and HPLC.
<b>Storage</b>	Lyophilized recombinant Human MIP-1 Alpha remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human MIP-1 Alpha 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="#">CCL3 chemokine (C-C motif) ligand 3 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">CCL3</a>
<b>Synonyms</b>	CCL3; chemokine (C-C motif) ligand 3; SCYA3, small inducible cytokine A3 (homologous to mouse Mip 1a); C-C motif chemokine 3; G0S19 1; LD78ALPHA; MIP 1 alpha; SIS-beta; PAT 464.1; G0/G1 switch regulatory protein 19-1; macrophage inflammatory protein 1-alpha; tonsillar lymphocyte LD78 alpha protein; small inducible cytokine A3 (homologous to mouse Mip-1a); MIP1A; SCYA3; G0S19-1; MIP-1-alpha;
<b>Gene ID</b>	<a href="#">6348</a>
<b>mRNA Refseq</b>	<a href="#">NM_002983</a>
<b>Protein Refseq</b>	<a href="#">NP_002974</a>
<b>MIM</b>	<a href="#">182283</a>
<b>UniProt ID</b>	<a href="#">P10147</a>

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