

## Recombinant Human Chemokine (C-C motif) Ligand 3

**Cat. No.** CCL3-363H    **Lot. No.** (See product label)

### SPECIFICATION

|                            |                                                                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant human CCL3 contains 69 amino acid residues was expressed in Insect cells. Its molecular weight is 7700 Dalton.                                                                                                            |
| <b>Species</b>             | Human                                                                                                                                                                                                                                 |
| <b>Source</b>              | Insect Cells                                                                                                                                                                                                                          |
| <b>Description</b>         | CCL3 is identical to MIP1-beta (ACT II isotype) except for two amino acid substitutions: arginine for histidine at position 22 and serine for glycine at position 47 of the mature protein.                                           |
| <b>Form</b>                | Lyophilized without additives                                                                                                                                                                                                         |
| <b>Molecular Weight</b>    | 7.7 kDa                                                                                                                                                                                                                               |
| <b>Purity</b>              | > 98% as determined by SDS-PAGE analysis                                                                                                                                                                                              |
| <b>Endotoxin Level</b>     | < 0.1 ng/g of LAG1                                                                                                                                                                                                                    |
| <b>Biological Activity</b> | Determined by its ability to chemoattract CCR5 transfected cells using a concentration of 0.1-10.0 ng/ml.                                                                                                                             |
| <b>Reconstitution</b>      | Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration of 0.1-1.0 mg/ml. After complete solubilization of the protein, it can be further diluted to other |

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**Storage**

Store lyophilizedprotein at -20°C to -80°C and reconstituted protein in working aliquots at-20°C to -80°C. Avoid repeated freeze-thaw cycles.

**OfficialSymbol**

CCL3

## GENE INFORMATION

**Gene Name**

CCL3 chemokine (C-C motif) ligand 22 [Homo sapiens ]

**Synonyms**

CCL3; chemokine (C-Cmotif) ligand 3; MIP1A; SCYA3; G0S19-1; LD78ALPHA; MIP-1-alpha; LD78 alphabeta; small inducible cytokine A3 (homologous to mouse Mip-1a); SIS-beta;G0/G1 switch regulatory protein 19-1; G0S19-1 protein; LD78 alpha beta;Macrophage inflammatory protein 1-alpha; PAT 464.1; Small-inducible cytokineA3; Tonsillar lymphocyte LD78 alpha protein; C-C motif chemokine 3;Small-inducible cytokine A3; MIP-1-alpha; Tonsillar lymphocyte LD78 alphaprotein; G0/G1 switch regulatory protein 19-1; G0S19-1 protein; SIS-beta; PAT464.1

**Gene ID**

6348

**mRNA Refseq**

NM\_002983

**Protein Refseq**

NP\_002974

**MIM**

182283

**UniProt ID**

P10147

**Chromosome  
Location**

17q11-q21

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**Pathway**

Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Chagas disease (American trypanosomiasis); Chemokine receptors bind chemokines; Class A/1 (Rhodopsin-like receptors); GPCR ligand binding; IL12-mediated signaling events; Peptide ligand-binding receptors; Rheumatoid arthritis; Senescence and Autophagy; Salmonella infection; Signal Transduction; Signaling by GPCR; Toll-like receptor signaling pathway

**Function**

chemoattractant activity; chemokine activity; signal transducer activity

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