

Recombinant Human Chemokine (C-C Motif) Ligand 3

Cat. No. CCL3-156H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant human chemokine (C-C motif) ligand 3 was expressed in <i>Sf21 cells</i> . |
| Species | Human |
| Source | Sf21 Cells |
| Description | <p>Macrophage Inflammatory Proteins (MIP) belong to the family of chemotactic cytokines known as chemokines. In humans, there are two major forms, MIP-1α and MIP-1β that are now officially named CCL3 and CCL4 respectively. Both are major factors produced by macrophages after they are stimulated with bacterial endotoxins. They activate human granulocytes (neutrophils, eosinophils and basophils) which can lead to acute neutrophilic inflammation. They also induce the synthesis and release of other pro-inflammatory cytokines such as interleukin 1 (IL-1), IL-6 and TNF-α from fibroblasts and macrophages. The genes for CCL3 and CCL4 are both located on human chromosome 17.</p> |
| Analysis Note | The biological activity is measured by its ability to chemoattract cultured human monocytes or mouse BaF/3 cells transfected with human CCR5. |
| Physical Form | Lyophilized from a 0.2 μ m filtered solution of 30% acetonitrile and 0.1% trifluoroacetic acid containing 0.5 mg bovine serum albumin. |
| Assay | \geq 97% (SDS-PAGE and N-terminal analysis). |
| Form | Lyophilized powder. |

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|----------------------------|--|
| Total Impurities | Endotoxin, tested. |
| Suitability | Cell culture tested. |
| Storage Temp | -20°C. |
| GENE INFORMATION | |
| Gene Name | CCL3 chemokine (C-C motif) ligand 3 [Homo sapiens] |
| Synonyms | chemokine (C-C motif) ligand 3; MIP1A; SCYA3; G0S19-1; LD78ALPHA; MIP-1-alpha; CCL3; LD78 alpha beta; 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 cytokine A3; Tonsillar lymphocyte LD78 alpha protein; C-C motif chemokine 3; Small-inducible cytokine A3; Short name=MIP-1-alpha; Tonsillar lymphocyte LD78 alpha protein; G0/G1 switch regulatory protein 19-1; Short name=G0S19-1 protein; SIS-beta; PAT 464.1 |
| Gene ID | 6348 |
| mRNA Refseq | NM_002983 |
| Protein Refseq | NP_002974 |
| MIM | 182283 |
| UniProt ID | P10147 |
| Chromosome Location | 17q11-q21 |

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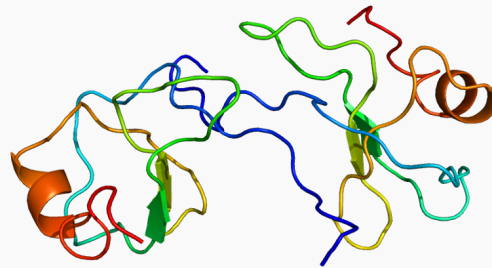
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Pathway Cytokine-cytokine receptor Toll-like receptor signaling pathway; Chemokine signaling pathway; Cytokine-cytokine receptor interaction

Function chemoattractant activity; chemokine activity; signal transducer activity

PDB rendering based on 1b50.



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