

Active Recombinant Human CCL3

Cat. No. CCL3-15H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Human recombinant MIP-1 alpha is produced in genetically engineered yeast, and purified by sequential chromatography. |
| Species | Human |
| Source | yeast |
| Description | Macrophage Inflammatory Protein MIP-1 alpha is part of the CC subfamily of the chemokine superfamily of chemoattractant cytokines. MIP-1 alpha affects the inflammatory response of blood monocytes, tissue macrophages, and T cells. MIP-1 alpha also enhances the formation of granulocyte-macrophage colonies stimulated by GM-CSF or M-CSF. Human MIP-1 alpha is composed of 69 amino acid residues with not possible N-linked glycosylation sites, and several possible O-linked sites. Human MIP-1 alpha is 60% homologous with human MIP-1 alpha, 75% homologous with murine MIP-1 alpha, and has been shown to be active on murine cells. |
| Form | In water at a concentration of 1.0 mg protein/ml |
| Bio-activity | The biological activity of recombinant human MIP-1 alpha is determined by its use as a cofactor for CSF-dependent myelopoiesis. |
| Molecular Mass | 8 KDa |
| Purity | Over 95% pure by SDS gel electrophoresis, with low level of endotoxin. |

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|----------------------------|---|
| Stability | Several months at -80°C. |
| Storage | Store at -80°C. |
| GENE INFORMATION | |
| Gene Name | CCL3 chemokine (C-C motif) ligand 3 [Homo sapiens (human)] |
| Official Symbol | CCL3 |
| Synonyms | CCL3; MIP1A; SCYA3; G0S19-1; LD78ALPHA; MIP-1-alpha; C-C motif chemokine 3; 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) |
| Gene ID | 6348 |
| mRNA Refseq | NM_002983 |
| Protein Refseq | NP_002974 |
| MIM | 182283 |
| UniProt ID | P10147 |
| Chromosome Location | 17q12 |
| Pathway | Chagas disease (American trypanosomiasis); Chemokine signaling pathway; Cytokine-cytokine receptor interaction |
| Function | CCR1 chemokine receptor binding; calcium-dependent protein kinase C activity; |

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identical protein binding

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