

Active Recombinant Human CCL3

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

SPECIFICATION

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