

Recombinant Human Chemokine (C-C Motif) Ligand 3

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

SPECIFICATION

Product Overview	Recombinant human chemokine (C-C motif) ligand 3 was expressed in Sf21 cells.
Species	Human
Source	Sf21 Cells
Description	Macrophage Inflammatory Proteins (MIP) belong to the family of chemotactic cytokines known as chemokines. In humans, there are two major forms, MIP-1 α and MIP-1 β 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.
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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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.

