

Active Recombinant Mouse CCL3 protein, His-tagged

Cat. No. MIP1a-3329M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse CCL3 protein(P10855)(24~92 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	24-92 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	MIP-1a (macrophage inflammatory protein 1-alpha) also known as Chemokine (C-C motif) ligand 3 (CCL3), is a cytokine belonging to the CC chemokine family that is involved in the recruitment and activation of macrophages, monocytes and neutrophils. In this case, chemotaxis assay used 24-well microchemotaxis system was undertaken to evaluate the chemotactic effect of MIP-1a on the human monocytic cell line THP1. Briefly, THP1 cells were seeded into the upper chambers and various concentrations of MIP-1a was added in lower chamber with a polycarbonate filter (8 um pore size) used to separate the two compartments. After incubation at 37°C with 5% CO ₂ for 2h, the filter was removed, then cells in low chamber were observed by inverted microscope at low magnification (×100) and the number of migrated cells were counted using Image J. The migrated THP1 cells in low chamber at low magnification (×100) was shown. The number of migrated THP-1

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cells was shown. The optimum chemotaxis of MIP-1a occurs at 1 ug/ml.

Molecular Mass	9.5kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 90% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Ccl3 chemokine (C-C motif) ligand 3 [Mus musculus]
Official Symbol	CCL3
Synonyms	CCL3; chemokine (C-C motif) ligand 3; C-C motif chemokine 3; TY-5; L2G25B; MIP1 (a); SIS-alpha; MIP-1 alpha; MIP-1-alpha; small inducible cytokine A3; small-inducible cytokine A3; heparin-binding chemotaxis protein; macrophage inflammatory protein-1alpha; macrophage inflammatory protein 1-alpha; Mip1a; Scya3; G0S19-1; AI323804; MIP1-(a); LD78alpha; MIP-1alpha; MIP1-alpha;
Gene ID	20302
mRNA Refseq	NM_011337
Protein Refseq	NP_035467

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Activity



SDS-PAGE

