

Active Recombinant Mouse Ccl3 Protein (Ala24-Ala92), N-His tagged, Animal-free, Carrier-free

Cat. No. Ccl3-76M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccl3 Protein (Ala24-Ala92) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Ala24-Ala92
Description	C-C Motif Chemokine Ligand 3 (CCL3) is a 7.66 kDa cytokine with 69 amino acid residues. CCL3, also known as macrophage inflammatory protein 1-alpha (MIP-1-alpha), is expressed in the spleen, lung, and articular cartilage. Upon binding to the receptor, CCR1, CCR4, or CCR5, CCL3 plays a vital role in immune response, such as inflammation, recruitment of immune cells, and production of IL-1 β and TNF. In addition, CCL3 also participates in resistance to type 1 virus infection, astrocyte cell migration, regulation of macromolecule metabolic process, and regulation of ERK1 and ERK2 cascade.
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract human PBMCs using a concentration range of 10.0 - 100.0 ng/mL. Note: Results may vary from different PBMC donors.
Molecular Mass	The protein has a calculated MW of 8.69 kDa.

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The protein migrates about 11 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin < 0.1 EU/μg of the protein by the LAL method.

Purity >98% as determined by SDS-PAGE analysis.

Storage This product is stable after storage at:
 -20 centigrade for 12 months in lyophilized state from date of receipt.
 -20 or -80 centigrade for 1 month under sterile conditions after reconstitution.
 Avoid repeated freeze/thaw cycles.

Storage Buffer Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Reconstitution It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name Ccl3 chemokine (C-C motif) ligand 3 [*Mus musculus* (house mouse)]

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;

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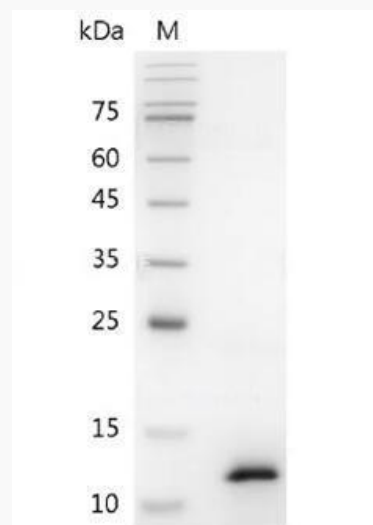
Gene ID 20302

mRNA Refseq NM_011337

Protein Refseq NP_035467

UniProt ID P10855

**SDS-PAGE analysis
of recombinant
mouse CCL3.**



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