

Active Recombinant Mouse Ccl4 Protein (Ala24-Asn92), N-His tagged, Animal-free, Carrier-free

Cat. No. Ccl4-77M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccl4 Protein (Ala24-Asn92) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Ala24-Asn92
Description	C-C Motif Chemokine Ligand 4 (CCL4) is a 7.66 kDa cytokine with 69 amino acid residues. CCL4, also named macrophage inflammatory protein-1 β (MIP-1 β), is mainly secreted from neutrophils, monocytes, B cells, T cells, fibroblasts, endothelial cells, and epithelial cells. In addition, CCL4 participates in immune responses, including recruitment of immune cells like lymphocytes, monocytes, and leukocytes, response to IL-1 and IFN γ , and production of TNF when CCL4 binds to CCR5.
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract human PBMCs using a concentration range of 20.0 - 200.0 ng/mL. Note: Results may vary from different PBMC donors.
Molecular Mass	The protein has a calculated MW of 8.64 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

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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 H ₂ O 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	Ccl4 chemokine (C-C motif) ligand 4 [Mus musculus (house mouse)]
Official Symbol	Ccl4
Synonyms	CCL4; chemokine (C-C motif) ligand 4; C-C motif chemokine 4; ACT2; SIS-gamma; MIP-1 beta; MIP-1-beta; immune activation protein 2; small inducible cytokine A4; small-inducible cytokine A4; macrophage inflammatory protein 1-beta; Act-2; Mip1b; Scya4; MIP-1B; AT744.1;
Gene ID	20303

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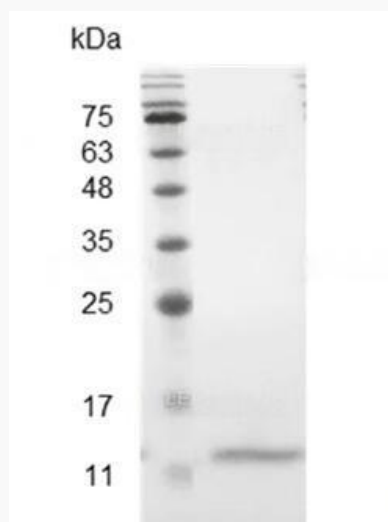
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mRNA Refseq [NM_013652](#)

Protein Refseq [NP_038680](#)

UniProt ID [P14097](#)

SDS-PAGE analysis
of recombinant
mouse CCL4.



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