

# Active GMP Recombinant Mouse Ccl4 Protein, His-Tagged

**Cat. No.** Ccl4-01M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | GMP Recombinant Mouse Ccl4 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | Predicted to enable chemokine receptor binding activity and identical protein binding activity. Acts upstream of or within cellular response to xenobiotic stimulus. Located in extracellular space. Is expressed in central nervous system; genitourinary system; and retina. Human ortholog(s) of this gene implicated in acquired immunodeficiency syndrome and human immunodeficiency virus infectious disease. Orthologous to several human genes including CCL4L2 (C-C motif chemokine ligand 4 like 2). |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Bio-activity</b>     | Measure by its ability to chemoattract BaF3 cells transfected with human CCR5. The ED50 for this effect is <4 ng/mL.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | APMGSDPPTSCCFSYTSRQLHRSFVMDYYETSSLCSKPAVVFLTKRGRQICANPSE PWVTEYMSDLELN with polyhistidine tag at the N-terminus                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>        | <0.1 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | >98% as determined by SDS-PAGE. Ni-NTA chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>          | Please use within one month after protein reconstitution.                                                                                                                                                               |
| <b>Storage</b>        | Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.                                                                                                |
| <b>Storage Buffer</b> | The protein was lyophilized from a solution containing 1X PBS, pH 7.4.                                                                                                                                                  |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |

## GENE INFORMATION

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| <b>Gene Name</b>       | Ccl4 chemokine (C-C motif) ligand 4 [ Mus musculus (house mouse) ] |
| <b>Official Symbol</b> | Ccl4                                                               |
| <b>Synonyms</b>        | Act-2; Mip1b; Scya4; MIP-1B; AT744.1                               |
| <b>Gene ID</b>         | 20303                                                              |
| <b>mRNA Refseq</b>     | NM_013652.2                                                        |
| <b>Protein Refseq</b>  | NP_038680.1                                                        |
| <b>UniProt ID</b>      | P14097                                                             |

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