

Active GMP Recombinant Mouse Ccl3 Protein, His-Tagged

Cat. No. Ccl3-01M Lot. No. (See product label)

SPECIFICATION

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| Product Overview | GMP Recombinant Mouse Ccl3 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines. |
| Species | Mouse |
| Source | E.coli |
| Description | Enables chemokine activity. Involved in several processes, including astrocyte cell migration; macrophage chemotaxis; and positive regulation of macromolecule metabolic process. Located in extracellular space. Is expressed in articular cartilage; cartilage; knee joint; lung; and radius. Human ortholog(s) of this gene implicated in human immunodeficiency virus infectious disease. Orthologous to several human genes including CCL3 (C-C motif chemokine ligand 3). |
| Form | Lyophilized |
| Bio-activity | Measure by its ability to chemoattract BaF3 cells transfected with human CCR5. The ED50 for this effect is <1.8 ng/mL. |
| AA Sequence | APYGADTPTACCFSYSRKIPRQFIVDYFETSSLCSQPGVIFLTKRNRQICADSKETWV QEYITDLELNA with polyhistidine tag at the N-terminus |
| Endotoxin | <0.1 EU per 1 µg of the protein by the LAL method. |
| Purity | >98% as determined by SDS-PAGE. Ni-NTA chromatography |

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| Notes | Please use within one month after protein reconstitution. |
| Storage | Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C. |
| Storage Buffer | The protein was lyophilized from a solution containing 1X PBS, pH 7.4. |
| Reconstitution | It is recommended to reconstitute the lyophilized protein in sterile H ₂ 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

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| Gene Name | Ccl3 chemokine (C-C motif) ligand 3 [<i>Mus musculus</i> (house mouse)] |
| Official Symbol | Ccl3 |
| Synonyms | G0S19-1, LD78alpha, MIP-1alpha, MIP1-(a), MIP1-alpha, Mip1a, Scya3 |
| Gene ID | 20302 |
| mRNA Refseq | NM_011337.2 |
| Protein Refseq | NP_035467.1 |
| UniProt ID | P10855 |

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