

# Recombinant Human CCL7 Protein, Biotinylated

**Cat. No.** CCL7-026H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant human CCL7 protein was tag free expressed.                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | This gene encodes monocyte chemotactic protein 3, a secreted chemokine which attracts macrophages during inflammation and metastasis. It is a member of the C-C subfamily of chemokines which are characterized by having two adjacent cysteine residues. The protein is an in vivo substrate of matrix metalloproteinase 2, an enzyme which degrades components of the extracellular matrix. This gene is part of a cluster of C-C chemokine family members on chromosome 17q. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MKASAALLCLLLTAAAFSPQGLAQPVGINTSTTCCYRFINKKIPKQRLESYRRTTSSH<br>CPREAVIFKTKLDKEICADPTQKWVQDFMKHLDKKTQTPKL                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | > 97%                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | WB; ELISA; FACS; FC                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Stability</b>        | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.                                                                                                                                                                                                                                                                          |

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|                       |                                                                                                                                                                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | At -20 centigrade.                                                                                                                                                                                                                                                                       |
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered and lyophilized.                                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in sterile distilled H <sub>2</sub> O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance. |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                                                                                                                                   |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CCL7 chemokine (C-C motif) ligand 7 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b> | CCL7                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | CCL7; chemokine (C-C motif) ligand 7; SCYA6, SCYA7, small inducible cytokine A7 (monocyte chemotactic protein 3); C-C motif chemokine 7; FIC; MARC; MCP 3; MCP3; monocyte chemoattractant protein 3; monocyte chemotactic protein 3; NC28; small-inducible cytokine A7; small inducible cytokine A7 (monocyte chemotactic protein 3); MCP-3; SCYA6; SCYA7; MGC138463; MGC138465; |
| <b>Gene ID</b>         | 6354                                                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_006273                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_006264                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>             | 158106                                                                                                                                                                                                                                                                                                                                                                           |

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**UniProt ID**

P80098

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