

# Recombinant Human CCL8

**Cat. No.** CCL8-28723TH    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant full length MCP2 protein , is a non-glycosylated, polypeptide chain containing 76 amino acids and has a MW of 8.9 kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>         | This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded by this gene is structurally related to the CXC subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils. By recruiting leukocytes to sites of inflammation this cytokine may contribute to tumor-associated leukocyte infiltration and to the antiviral state against HIV infection. |
| <b>Biological activity</b> | The biological activity was determined by measuring the dose dependent mobilization of intracellular calcium (calcium flux) with human THP-1 cells. Significant calcium mobilization is observed with >500ng/mL of recombinant human MCP2. Human MCP2 also indu                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>                | Lyophilised:Lyophilized from a concentrated (1mg/ml) sterile solution containing no additives. Reconstitute the lyophilized product in sterile 18MO-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.                                                                                                                                                                                                                                                                                                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                                 |                                                                                                                                                                             |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>                   | >95% by SDS-PAGE                                                                                                                                                            |
| <b>Storage buffer</b>           | Sterile solution containing no additives.                                                                                                                                   |
| <b>Storage</b>                  | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.                                                                     |
| <b>Sequences of amino acids</b> | The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Pro-Asp-Ser-Val.                                                               |
| <b>Full Length</b>              | Full L.                                                                                                                                                                     |
| <b>GENE INFORMATION</b>         |                                                                                                                                                                             |
| <b>Gene Name</b>                | CCL8 chemokine (C-C motif) ligand 8 [ Homo sapiens ]                                                                                                                        |
| <b>Official Symbol</b>          | CCL8                                                                                                                                                                        |
| <b>Synonyms</b>                 | CCL8; chemokine (C-C motif) ligand 8; SCYA8, small inducible cytokine subfamily A (Cys Cys), member 8 (monocyte chemotactic protein 2); C-C motif chemokine 8; HC14; MCP 2; |
| <b>Gene ID</b>                  | 6355                                                                                                                                                                        |
| <b>mRNA Refseq</b>              | NM_005623                                                                                                                                                                   |
| <b>Protein Refseq</b>           | NP_005614                                                                                                                                                                   |
| <b>MIM</b>                      | 602283                                                                                                                                                                      |
| <b>Uniprot ID</b>               | P80075                                                                                                                                                                      |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chromosome Location</b> | 17q11.2                                                                                                                                                                                                                                       |
| <b>Pathway</b>             | Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; |
| <b>Function</b>            | chemokine activity; heparin binding; signal transducer activity;                                                                                                                                                                              |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA