

# Active Recombinant Human Chemokine (C-C Motif) Ligand 8, HlgG1 Fc-tagged, mutant

Cat. No. CCL8-302H Lot. No. (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | The extracellular domain of human CCL8 (AAI26243.1)(Gln24-Pro99) is fused to the N-terminus of the Fc region of a mutant human IgG1 was expressed in CHO cell.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | CHO   |
| <b>ProteinLength</b>    | 24-99 a.a.  |
| <b>Description</b>      | This gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. 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>Form</b>             | Lyophilized from 0.2µm-filtered solution in PBS.  |
| <b>Bio-activity</b>     | Measured by its ability to chemoattract BaF3 mouse pro-B cells .  |
| <b>Molecular Mass</b>   | 35KDa (monomer)   |

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|                       |   |
|-----------------------|---|
| <b>AA Sequence</b>    | Gln24-Pro99   |
| <b>Endotoxin</b>      | <0.06 eu/μg="" as="" determined="" by="" lal="">  |
| <b>Purity</b>         | >98%, by SDS-PAGE under reducing conditions.  |
| <b>Stability</b>      | Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C. |
| <b>Reconstitution</b> | Reconstitute at 100μg/ml in sterile PBS.  |
| <b>Warning</b>        | Avoid freeze/thaw cycles.   |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | <a href="#">CCL8 chemokine (C-C motif) ligand 8 [ Homo sapiens ]</a>  |
| <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; small-inducible cytokine A8; monocyte chemotactic protein 2; monocyte chemoattractant protein 2; small inducible cytokine subfamily A (Cys-Cys), member 8 (monocyte chemotactic protein 2); MCP2; MCP-2; SCYA8; SCYA10; |
| <b>Gene ID</b>         | <a href="#">6355</a>  |
| <b>mRNA Refseq</b>     | <a href="#">NM_005623</a>   |
| <b>Protein Refseq</b>  | <a href="#">NP_005614</a>   |

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| <b>MIM</b>                 | 602283  |
| <b>UniProt ID</b>          | P80075  |
| <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; phospholipase activator activity; protein kinase activity;   |

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