

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	CHO
ProteinLength	24-99 a.a.
Description	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.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to chemoattract BaF3 mouse pro-B cells .
Molecular Mass	35KDa (monomer)

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

AA Sequence	Gln24-Pro99
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	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.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	CCL8 chemokine (C-C motif) ligand 8 [Homo sapiens]
Official Symbol	CCL8
Synonyms	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;
Gene ID	6355
mRNA Refseq	NM_005623
Protein Refseq	NP_005614

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MIM	602283
UniProt ID	P80075
Chromosome Location	17q11.2
Pathway	Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	chemokine activity; heparin binding; phospholipase activator activity; protein kinase activity;

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