

Recombinant Human CCL8 Protein, His-tagged

Cat. No. CCL8-11030H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCL8 Protein, His Tag is expressed from E. coli cells. It contains AA Gln 24 - Pro 99 (Accession # P80075). This protein carries a polyhistidine tag at the N-terminus. Predicted N-terminus: Met
Species	Human
Source	E. coli
ProteinLength	24-99 aa
Description	This antimicrobial 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 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 10.9 kDa. The protein migrates as 10-11 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE).

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Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CCL8 chemokine (C-C motif) ligand 8 [Homo sapiens (human)]
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
MIM	602283

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UniProt ID

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