

RP00322

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Recombinant Human CCL8/MCP-2 Protein

Catalog No.: RP00322 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	6355	P80075

Tags

No tag

Synonyms

CCL8;HC14;MCP-2;MCP2;SCYA10;SCYA8

Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This antimicrobial protein 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.

Basic Information

Description

Recombinant Human CCL8/MCP-2 Protein is produced by <i>E. coli</i> expression system. The target protein is expressed with sequence (Gln24-Pro99) of human CCL8/MCP-2 (Accession #P80075).

Bio-Activity

Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with human CCR5. The ED₅₀ for this effect is 0.01-0.06 μg/mL. Measured by its ability to chemoattract THP-1 human acute monocytic leukemia cells. The ED₅₀ for this effect is 0.03-0.1 μg/mL.

Storage

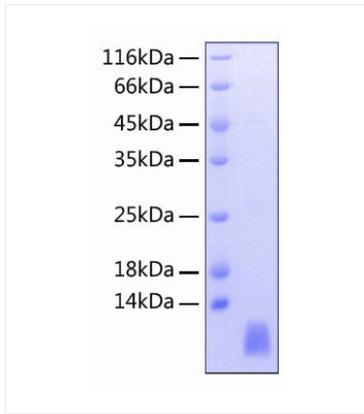
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human CCL8/MCP-2 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 10 kDa.