

Active Recombinant Human CCL2 protein

Cat. No. CCL2-0621H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL2 protein(Gln24-Thr99) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	24-99 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured by the ability to inhibit the proliferation of HUVEC(Human Umbilical Vein Endothelial Cells).The ED50 for this effect is 0.53-2.12 ng/mL. 2. Measured by its ability to chemoattract THP-1 cells. The ED50 for this effect is typically 1.01-4.04 ng/mL.
Molecular Mass	8.69 kDa
Endotoxin	< 1 EU/µg of the protein by LAL method.
Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name CCL2 chemokine (C-C motif) ligand 2 [Homo sapiens]

Official Symbol CCL2

Synonyms

CCL2; chemokine (C-C motif) ligand 2; SCYA2, small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig je); C-C motif chemokine 2; GDCF 2; HC11; MCAF; MCP 1; MCP1; MGC9434; monocyte chemoattractant protein 1; monocyte chemotactic and activating factor; monocyte chemotactic protein 1; homologous to mouse Sig je; monocyte secretory protein JE; small inducible cytokine subfamily A (Cys Cys); member 2; SMC CF; small-inducible cytokine A2; monocyte chemoattractant protein-1; small inducible cytokine subfamily A (Cys-Cys), member 2; small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je); MCP-1; SCYA2; GDCF-2; SMC-CF; HSMCR30;

Gene ID 6347

mRNA Refseq NM_002982

Protein Refseq NP_002973

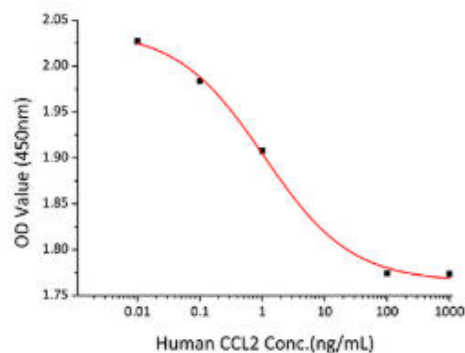
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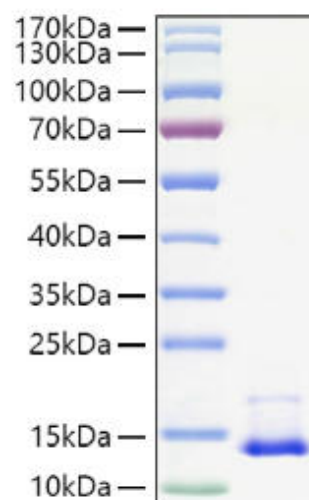
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Activity



SDS-PAGE



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