

CCL2/MCP-1 recombinant protein

Recombinant Human CCL2/MCP-1 Protein

CATALOG #
AAA282504

HOST
E coli

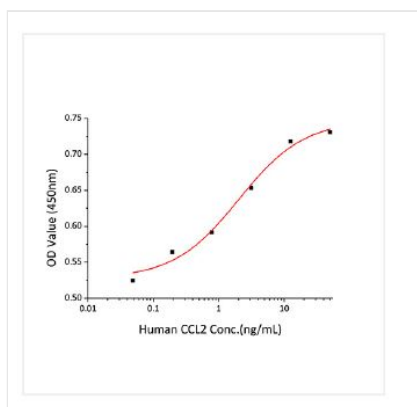
PRODUCT SYNONYMS

CCL2/MCP-1; Recombinant Human CCL2/MCP-1 Protein; CCL2; GDCF-2; HC11; HSMCR30; MCAF; MCP-1; MCP1; SCYA2; SMC-CF; CCL2/MCP-1 recombinant protein

PRODUCT SPECIFICATIONS

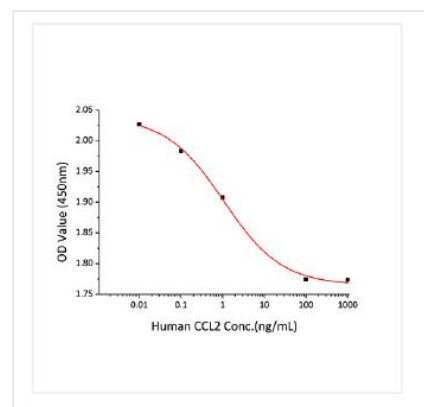
Host	E coli
Purity/Purification	> 90% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Tag	No tag
Bioactivity	1. Measured by the ability to inhibit the proliferation of HUVEC(Human Umbilical Vein Endothelial Cells).The ED50 for this effect is 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.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES



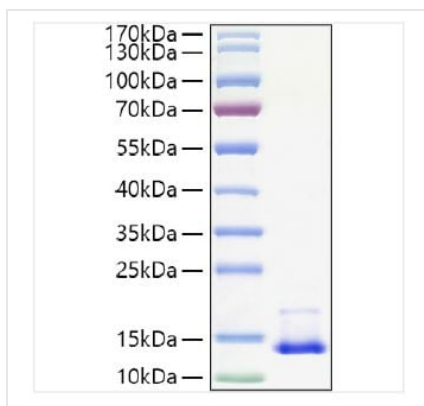
Application Data

Recombinant Human CCL2 chemoattract THP-1 cells. The ED50 for this effect is typically 1.01-4.04 ng/mL.



Application Data

Recombinant Human CCL2 inhibit the proliferation of HUVEC(Human Umbilical Vein Endothelial Cells).The ED50 for this effect is 0.53-2.12 ng/mL.



SDS-PAGE

Active Recombinant Human CCL2/MCP-1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 13-14kDa.

ADDITIONAL INFORMATION

Related Product Information for CCL2/MCP-1 recombinant protein	Recombinant Human CCL2/MCP-1 Protein is produced by <i>E coli</i> expression system. The target protein is expressed with sequence (Gln24-Thr99) of human CCL2/MCP-1 (Accession #NP_002973.1) fused with a additional amino acid free.
Product Categories/Family for CCL2/MCP-1 recombinant protein	Cytokines & Cytokine receptors; Biosimilar Drug Targets

NCBI AND UNIPROT INFORMATION

NCBI GI #	545465
NCBI GeneID	6347
UniProt Accession #	P13500; Q9UDF3; B2R4V3
Molecular Weight	11,025 Da
NCBI Official Full Name	MCP-1
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 2
NCBI Official Symbol	CCL2
NCBI Official Synonym Symbols	HC11; MCAF; MCP1; MCP-1; SCYA2; GDCF-2; SMC-CF; HSMCR30
NCBI Protein Information	C-C motif chemokine 2; small-inducible cytokine A2; monocyte secretory protein JE; monocyte chemotactic protein 1; monocyte chemoattractant protein 1; monocyte chemoattractant protein-1; monocyte chemotactic and activating factor; small inducible cytokine
UniProt Protein Name	C-C motif chemokine 2
UniProt Gene Name	CCL2
UniProt Synonym Gene Names	MCP1; SCYA2; MCAF; MCP-1
UniProt Entry Name	CCL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.