

Recombinant Human CCL2 Protein, Biotin-tagged

Cat. No. CCL2-56H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL2 Protein, fused to Biotin-tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Chemokines are 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 and basophils but not for neutrophils or eosinophils. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4. Elevated expression of the encoded protein is associated with severe acute respiratory syndrome coronavirus 2 infection.
AA Sequence	QPDAINAPVT CCYNFTNRKI SVQRLASYRR ITSSKCPKEA VIFKTIVAKE ICADPKQKWV QDSMDHLDKQ TQTPKT + Linker
tmpcolum67	C-C motif chemokine ligand 2
Conjugation	Biotin

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GENE INFORMATION

Gene Name	CCL2 C-C motif chemokine ligand 2 [Homo sapiens (human)]
Official Symbol	CCL2
Synonyms	HC11; MCAF; MCP1; MCP-1; SCYA2; GDCF-2; SMC-CF; HSMCR30
Gene ID	6347
mRNA Refseq	NM_002982
Protein Refseq	NP_002973
MIM	158105
UniProt ID	P13500

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