

Recombinant Full Length Human CCL2 Protein, C-Flag-tagged

Cat. No. CCL2-937HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CCL2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	10.8 kDa
AA Sequence	MKVSAALLCLLLIAATFIPQGLAQPDAINAPVTCCYNFTNRKISVQRLASYRRITSSKC PKEAVIFKTIV

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	AKEICADPKQKWVQDSMDHLDKQTQTPKTTTRPLEQKLISEEDLAANDILDYKDDD DKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, NOD-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

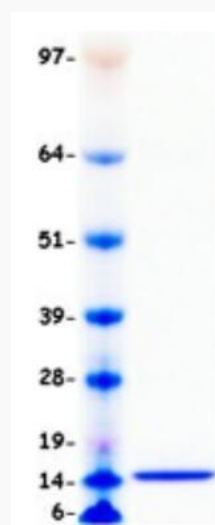
Gene Name	CCL2 C-C motif chemokine ligand 2 [Homo sapiens (human)]
Official Symbol	CCL2
Synonyms	HC11; MCAF; MCP1; MCP-1; SCYA2; GDCF-2; SMC-CF; HSMCR30
Gene ID	6347

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mRNA Refseq	NM_002982.4
Protein Refseq	NP_002973.1
MIM	158105
UniProt ID	P13500



Coomassie blue staining of purified CCL2 protein.