

Active GMP Recombinant Mouse Ccl2 Protein, His-Tagged

Cat. No. Ccl2-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse Ccl2 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
Source	E.coli
Description	This gene is one of several cytokine genes clustered on chromosome 11. 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 memory T cells but not for neutrophils. The human ortholog has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, such as psoriasis, rheumatoid arthritis, and atherosclerosis.
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract BaF3 cells transfected with CCR2A. The ED50 for this effect is <8 ng/mL.
AA Sequence	QPDVNAPLTCCYSFTSKMIPMSRLESYKRITSSRCPEAVVFVTKLKREVCADPKK EWVQTYIKNLDRNQMRSEPTTLFKTASALRSSAPLN VKLTRKSEANASTTFSTTTSSSTSVGVTSVTVN with polyhistidine tag at the N-terminu

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Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	Ccl2 chemokine (C-C motif) ligand 2 [Mus musculus (house mouse)]
Official Symbol	Ccl2
Synonyms	Mip1a; Scya3; G0S19-1; MIP1-(a); LD78alpha; MIP-1alpha; MIP1-alpha
Gene ID	20296
mRNA Refseq	NM_011333.3
Protein Refseq	NP_035463.1

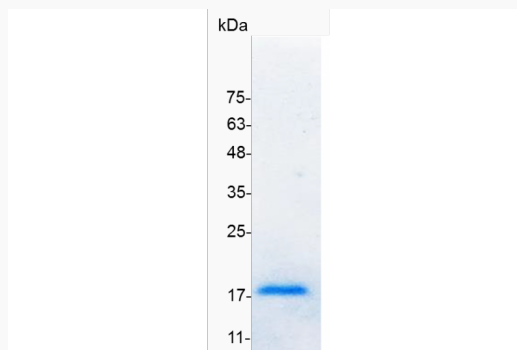
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UniProt ID

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