

## Mouse recombinant CCL2 (C-C motif chemokine ligand 2) protein, AF

Catalog Number: PROTP10148-4

### Overview

Product Name	Mouse recombinant CCL2 (C-C motif chemokine ligand 2) protein, AF
Description	C-C Motif Chemokine Ligand 2 (CCL2) is a 13.88 kDa cytokine with 125 amino acid residues and is also known as monocyte chemoattractant protein 1 (MCP1). CCL2 is mainly secreted from monocytes, macrophages, and dendritic cells. It regulates many biological functions, such as recruitments of monocytes, memory T cells, eosinophils, and dendritic cells, extravasation of helper T cells, response to TNFalpha and IFNgamma, and angiogenesis. In addition, upon binding with CCR4, it initiates leukocyte migration response to inflammation.
Size	5ug,20ug,100ug
Tag	His Tag (N-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

### Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

### Purity

>98% as determined by SDS-PAGE.

### Molecular weight

The protein has a calculated MW of 14.65 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

### Activity

Measure by its ability to chemoattract BaF3 cells transfected with CCR2A. The ED<sub>50</sub> for this effect is <8 ng/mL.

### Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

### **Amino Acid Sequence**

QPDAVNAPLTCCYSFTSKMIPMSRLESYKRITSSRCPEAVVFTKLKREVCADPKKEWVQTYIKNLDRNQMRSEPTTLFKTASALRSSAPLNVKLTRKSE  
ANASTTFSTTTSSVTSVTVN with polyhistidine tag at the N-terminus.

### **Reconstitution**

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## Usage

---

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

## Submit a product review to Biocompare.com

---

Submit a review of this product to Biocompare.com to receive a \$20 Amazon giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Mouse recombinant CCL2 (C-C motif chemokine ligand 2) protein, AF

For Research Use Only. Not for use in diagnostic procedures.