Product Name: Recombinant Rat CCL2 (C-6His)
Catalog #: PHR2396

Summary

Name	CCL2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Rat C-C Motif Chemokine 2 is produced by our Mammalian expression system and the target gene encoding Gln24-Asn148 is expressed with a 6His tag at the C-terminus.
Accession #	P14844
Host	Human Cells
Species	Rat
Predicted Molecular Mass	14.9 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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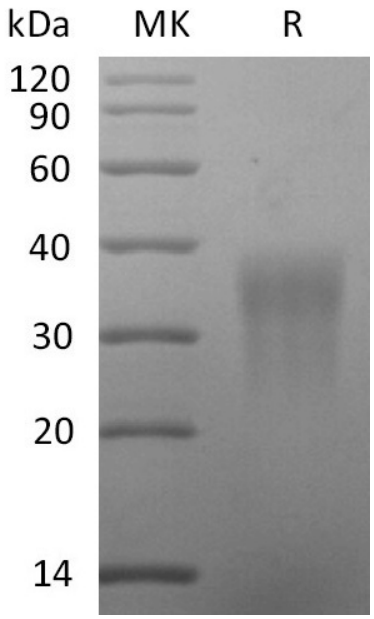

Alternative Names

C-C motif chemokine 2; Ccl2; Monocyte chemoattractant protein 1; Monocyte chemotactic protein 1; MCP-1; Small-inducible cytokine A2; Scya2

Background

Monocyte chemoattractant protein 1 (MCP-1), also called CCL2, is a member of the beta (C-C) subfamily of chemokines that is a chemoattractant for monocytes and basophils but not eosinophils or neutrophils. CCL2 binds the cognate receptor CCR2, and together this signaling pair has been shown to have multiple pro-tumorigenic roles, from mediating tumor growth and angiogenesis to recruiting and usurping host stromal cells to support tumor progression. CCL2 is found in the circulation, where it has been suggested as a diagnostic biomarker of breast cancer and prostate cancer. CCL2 can also induce arachidonic acid release in human monocytes, which has been shown to be involved in adhesion and induction of the chemotactic response, in a pertussis-toxinsensitive manner.

Note

For Research Use Only , Not for Diagnostic Use.