



Recombinant human CCL2

Human CCL2

Catalog # KPG-ReHC2

CCL2 (monocyte chemoattractant protein-1, MCP-1) is a potent pro-inflammatory chemokine for monocytes, and a variety of other immune cells. Its receptor is CCR2 and is expressed on monocytes. CCL2 can be produced by osteoblasts in response to pro-inflammatory cytokines. The cytokine has a molecular mass each of 8.7 kilo Daltons. Recombinant human CCL2 can be intended for use in *in vivo* and *in vitro* applications. Recombinant human CCL2 is produced in E. coli BL21 transfected with the full-length sequence for the human CCL2 gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant human CCL2

Storage and stability:

- Recombinant human CCL2 is shipped and stored at -20°C.
- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of recombinant human CCL2 and store at -20°C for 12 months.

Note: Avoid repeated freeze-thaw cycles.

Quality control

- Purity greater than 98% as determined by SDS-PAGE.
- Endotoxin levels <0.1 EU/μg as determined using a kinetic chromogenic LAL assay.
- Biological activity was not tested.
- Did not Sterile. Please sterile after reconstitution using 0.22 μm filter.
- Expression system: E. coli BL21 strain
- Accession: Q6ICR7
- Protein length: Full length protein
- Animal free: Yes
- Carrier free: Yes
- Nature: Recombinant
- Predicted molecular weight: 8.7 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass: ≈ 8.7 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant human CCL2 needs to be sterilized by filtered from 0.22 μm filter.
Solubility: 20 μg/ml in water

RELATED PRODUCTS

Recombinant Human TNF-α
Recombinant Human IL-1β
Recombinant Human IL-2
Recombinant Human IL-4
Recombinant Human IL-6
Recombinant Human IL-8
Recombinant Human IL-10
Recombinant Human IL-12
Recombinant Human IL-13
Recombinant Human IL-17A
Recombinant Human IL-18
Recombinant Human IL-29
Recombinant Human IFN-γ
Recombinant Human TGF-β
Recombinant Human VEGF
Recombinant Human CXCL10
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TECHNICAL SUPPORT

Karmania Pars Gene Iran (Toll-Free):
+98 9132926113
E-mail: karmaniaparsgene@gmail.com