Recombinant Cynomolgus/Rhesus macaque CCL2 /MCP-1 Protein

Catalog No.: RP00818

Sequence Information

Species	Gene ID
Cynomolgus /Rhesus macaque	574138 /102135739

Swiss Prot	Tags
P61275/P61274	No tag

Synonyms
CCL2,MCP1,SCYA2,C-C motif chemokine 2,MCP-1

Product Information

Source	Purification
E. coli	≥ 95% as determined by reducing SDS-PAGE.

Calculated MW	Observed MW
8.69 kDa	10-20 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Acts as a ligand for C-C chemokine receptor CCR2.Signals through binding and activation of CCR2 and induces a strong chemotactic response and mobilization of intracellular calcium ions.Exhibits a chemotactic activity for monocytes and basophils but not neutrophils or eosinophils .Plays an important role in mediating peripheral nerve injury-induced neuropathic pain . Increases NMDA-mediated synaptic transmission in both dopamine D1 and D2 receptor-containing neurons, which may be caused by MAPK/ERK-dependent phosphorylation of GRIN2B/NMDAR2B.

Basic Information

Description
Recombinant Cynomolgus/Rhesus macaque CCL2/MCP-1 Protein is produced by *E. coli* cells expression system. The target protein is expressed with sequence (Gln24-Pro99) of Cynomolgus/Rhesus macaque CCL2/MCP-1 (Accession #P61275/P61274) fused with no-tag.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

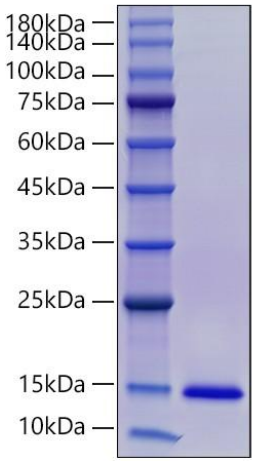
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Cynomolgus/Rhesus macaque CCL2/MCP-1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.