Recombinant Rat CCL2/JE/MCP-1 Protein(Trx Tag)

Catalog Number: PDER100141

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

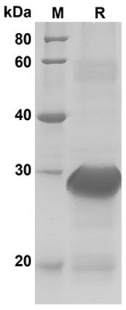
Description

Species	Rat
Source	E.coli-derived Rat CCL2/JE/MCP-1 protein Gln24-Asn148, with an N-terminal Trx
Calculated MW	33.64 kDa
Observed MW	30 kDa
Accession	P14844
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Rat CCL2/JE/MCP-1 proteins, 2μg/lane of ReCombinant Rat CCL2/JE/MCP-1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 30 KD

Background

Monocyte chemoattractant protein 1 (CCL2/JE/MCP-1), also called CCL2, belongs to a group of CC chemokines located in chromosome 17q11.2. CCL2/JE/MCP-1 protein interacts with chemokine C-C motif receptor 2 (CCR2) to activate and recruit monocytes, macrophages, CD4+ T cells and immature dendritic cells to the site of infection. The presence of CCL 2/JE/MCP-1 protein in an adequate concentration is important for granuloma formation and M. tuberculosis clearance.