

Recombinant Human CCL13/MCP-4 Protein

Catalog No.: RP01614

Sequence Information

Species **Gene ID**
Human 6357

Swiss Prot **Tags**
Q99616 No tag

Synonyms

CCL13,CKb10,MCP-4,NCC-1,NCC1, SCYA13,SCYL1

Product Information

Source **Purification**
Pichia ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
8.60 kDa 10–15 kDa

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

Formulation

Lyophilized from a 0.22 μm filtered
solution of 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 stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

Monocyte Chemoattractant Proteins 4 (MCP-4/CCL13) is a member of a distinct, structurally-related subclass of CC chemokines mainly involved in recruitment of eosinophils to inflammatory sites. CCL13/MCP-4, is a CC family chemokine that is chemoattractant for eosinophils, basophils, monocytes, macrophages, immature dendritic cells, and T cells, and its capable of inducing crucial immuno-modulatory responses through its effects on epithelial, muscular and endothelial cells. Similar to other CC chemokines, CCL13 binds to several chemokine receptors (CCR1, CCR2 and CCR3), allowing it to elicit different effects on its target cells. A number of studies have shown that CCL13 is involved in many chronic inflammatory diseases, in which it functions as a pivotal molecule involved in the selective recruitment of cell lineages to the inflamed tissues and their subsequent activation. MCP-4 /CCL13 is secreted from chondrocytes and activates the proliferation of rheumatoid synovial cells, thereby leading to joint destruction in RA.

Basic Information

Description

Recombinant Human CCL13/MCP-4 Protein is produced by *Pichia* expression system. The target protein is expressed with sequence (Gln24–Thr98) of human CCL13/MCP-4 (Accession #NP_005399.1) fused with no additional amino acid.

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°C

Operational Notes

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

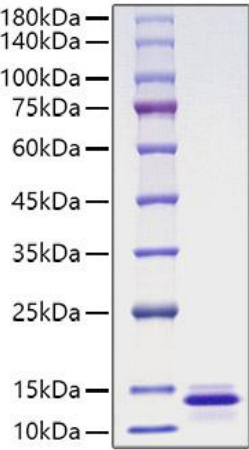
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Validation Data



Recombinant Human CCL13/MCP-4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.