

Recombinant Human CCL18/PARC Protein

Catalog No.: RP02962

Sequence Information

Species Gene ID

Human 6362

Swiss Prot Tags

P55774 No-Tag

Synonyms

CCL18,AMAC-1,AMAC1,CKb7,DC-CK1,DCCK1,MIP-4,PARC,SCYA18,PARC, AMAC1, DCCK1, MIP-4, AMAC-1, DC-CK1, SCYA18

Product Information

Source Purification

Yeast ≥ 95 % as determined by SDS-PAGE.

Calculated MWObserved MW

7.86 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

CCL18 is a chemotactic cytokine involved in the pathogenesis and progression of various disorders, including cancer. Proof showed high levels of CCL18 in the serum of epithelial ovarian carcinoma patients suggesting its potential as a circulating biomarker. CCL18 chemokine has an important role in chemokine-mediated tumor metastasis, and may serve as a potential predictor for poor survival outcomes for ovarian cancer. (CCL18) is predominantly secreted by M2-tumor associated macrophages (TAMs) and promotes malignant behaviors of various human cancer types. CCL18 has a correlation with cardiac function in patients with AAMI and it might be considered as an indicator of poor LVEF in patients with AAMI. Circulating and WAT-secreted CCL18 correlates with insulin resistance and metabolic risk score. Because CCL18 is macrophage-specific and associates with adipose immune gene expression, it may constitute a marker of WAT inflammation. Macrophages are thought to be the main source of CCL18, and the effect of pirfenidone, an anti-fibrotic agent for idiopathic pulmonary fibrosis, on the expression of CCL18 in macrophages warrants investigation.

Basic Information

Description

Recombinant Human CCL18/PARC Protein is produced by Yeast expression system. The target protein is expressed with sequence (Ala21-Ala89) of human CCL18/PARC (Accession #NP_002979.1) 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°C

Operational Notes

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

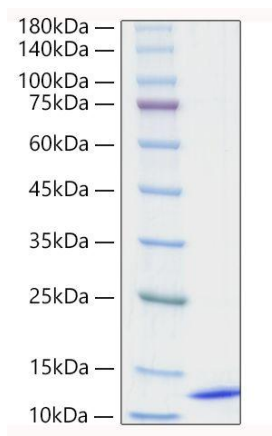
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Validation Data



Recombinant Human CCL18/PARC Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.