HUMAN CCL18 (N-6HIS) PROTEIN

Cat.#: 12038

Product Name: Human CCL18 (N-6His) Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: C-C Motif Chemokine 18;Alternative Macrophage Activation-Associated CC Chemokine 1;AMAC-1;CC Chemokine PARC;Dendritic Cell Chemokine 1;DC-CK1;Macrophage Inflammatory Protein 4;MIP-4;Pulmonary and Activation-Regulated Chemokine;Small-Inducible Cytokine A18;CCL18;AMAC1;DCCK1;MIP4;PARC;SCYA18

Target: CCL18

UNIPROT ID: P55774

Description: Recombinant Human C-C Motif Chemokine 18 is produced by our E.coli expression system and the target gene encoding Ala21-Ala89 is expressed with a 6His tag at the N-terminus.

Background: C-C Motif Chemokine 18 (CCL18) is secreted protein that belongs to the intercrine beta (chemokine CC) family. CCL18 is expressed at high levels in the lung, lymph nodes, placenta, bone marrow, and dendritic cells. CCL18 is a chemotactic factor that attracts lymphocytes but not monocytes or granulocytes. CCL18 may be involved in B-cell migration into B-cell follicles in lymph nodes. CCL18 attracts naive T-lymphocytes toward dendritic cells and activated macrophages in lymph nodes. It has chemotactic activity for naive T-cells, CD4 and CD8 T-cells and thus may play a role in both humoral and cell-mediated immunity responses.

Species/Host: E.coli

Molecular Weight: 10.1 KDa

Molecular Characterization: Not available

Purity: Greater than 95% as determined by reducing SDS-PAGE.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

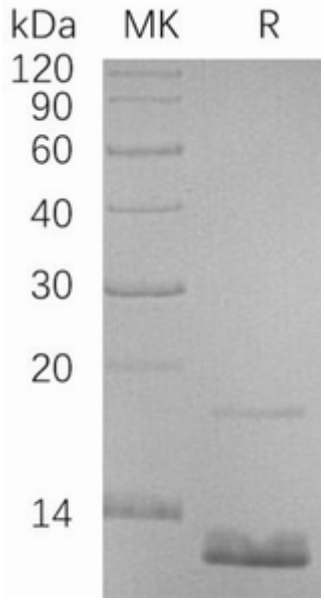

Figure 1. Greater than 95% as determined by reducing SDS-PAGE.