

RP00315

Leader in Biomolecular Solutions for Life Science



Recombinant Human CCL17/TARC Protein

Catalog No.: RP00315

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	6361	Q92583

Tags

C-His

Synonyms

CCL17; SCYA17; TARC; C-C motif chemokine 17; CC chemokine TARC; Small-inducible cytokine A17; Thymus and activation-regulated chemokine

Product Information

Source

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.

Purification

≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Background

CCL17 is a novel CC chemokine identified using a signal sequence trap method. CCL17 cDNA encodes a highly basic 94 amino acid (aa) residue precursor protein with a 23 aa residue signal peptide that is cleaved to generate the 71 aa residue mature secreted protein. Among CC chemokine family members, CCL17 has approximately 24 - 29% amino acid sequence identity with RANTES, MIP-1 alpha, MIP-1 beta, MCP-1, MCP-2, MCP-3 and I-309. The gene for human CCL17 has been mapped to chromosome 16q13 rather than chromosome 17 where the genes for many human CC chemokines are clustered. CCL17 is constitutively expressed in thymus, and at a lower level in lung, colon, and small intestine. CCL17 is also transiently expressed in stimulated peripheral blood mononuclear cells. Recombinant CCL17 has been shown to be chemotactic for T cell lines but not monocytes or neutrophils. CCL17 was identified to be a specific functional ligand for CCR4, a receptor that is selectively expressed on T cells.

Basic Information

Description

Recombinant Recombinant Human CCL17/TARC Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala24-Ser94) of Human CCL17/TARC (Accession #NP_002978.1) fused with a His tag at the C-terminus.

Bio-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.

Operational Notes

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

Storage

Store at -20°C. Avoid repeated freeze/thaw cycles.

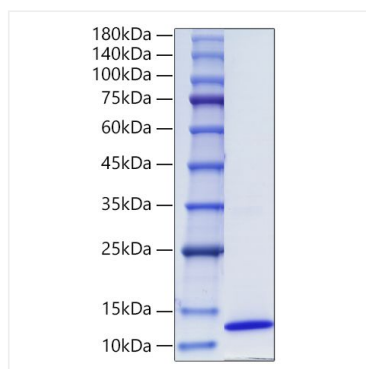
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Contact



www.abclonal.com

Validation Data



Recombinant Human CCL17/TARC
Protein was determined by SDS-
PAGE under reducing conditions with
Coomassie Blue.