Recombinant Human CCL17/TARC Protein

Catalog No.: RP00315

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Sequence Information

Species
Human

Gene ID
6361

Swiss Prot
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
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
8.92 kDa

Observed MW
10-15 kDa

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
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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℃

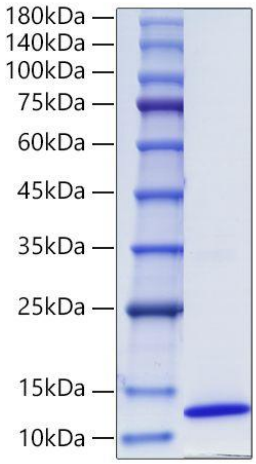
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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