

Active Recombinant Human CCL22, HlgG1 Fc-tagged

Cat. No. CCL22-18H Lot. No. (See product label)

SPECIFICATION

Product Overview

The extracellular domain of human CCL22 (AAH27952.1) (Gly25-Gln93) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell.

Species

Human

Source

CHO

ProteinLength

25-93 a.a.

Description

This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 16. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for monocytes, dendritic cells, natural killer cells and for chronically activated T lymphocytes. It also displays a mild activity for primary activated T lymphocytes and has no chemoattractant activity for neutrophils, eosinophils and resting T lymphocytes. The product of this gene binds to chemokine receptor CCR4. This chemokine may play a role in the trafficking of activated T lymphocytes to inflammatory sites and other aspects of activated T lymphocyte physiology.

Form

Lyophilized from 0.2µm-filtered solution in PBS.

Bio-activity

Measured by by a chemotaxis bioassay using human T-lymphocytes

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|---|
| Molecular Mass | 34 KDa (monomer) |
| AA Sequence | Gly25-Gln93 |
| Endotoxin | <0.06 eu/μg="" as="" determined="" by="" lal=""> |
| Purity | >98%, by SDS-PAGE under reducing conditions. |
| Stability | Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C. |
| Reconstitution | Reconstitute at 100μg/ml in sterile PBS. |
| Warning | Avoid freeze/thaw cycles. |

GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | CCL22 chemokine (C-C motif) ligand 22 [Homo sapiens] |
| Official Symbol | CCL22 |
| Synonyms | CCL22; chemokine (C-C motif) ligand 22; SCYA22, small inducible cytokine subfamily A (Cys Cys), member 22; C-C motif chemokine 22; A 152E5.1; ABCD 1; DC/B CK; MDC; MGC34554; STCP 1; MDC(1-69); CC chemokine STCP-1; macrophage-derived chemokine; small inducible cytokine A22; small-inducible cytokine A22; stimulated T cell chemotactic protein 1; stimulated T-cell chemotactic protein 1; small inducible cytokine subfamily A (Cys-Cys), member 22; ABCD-1; SCYA22; STCP-1; DC/B-CK; A-152E5.1; |
| Gene ID | 6367 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|----------------------------|--|
| mRNA Refseq | NM_002990 |
| Protein Refseq | NP_002981 |
| MIM | 602957 |
| UniProt ID | O00626 |
| Chromosome Location | 16q13 |
| Pathway | Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; GPCR ligand binding, organism-specific biosystem; |
| Function | chemokine activity; |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA