CCL28
Recombinant Human Mucosae-associated Epithelial Chemokine/CCL28

Catalog No.	CRM200A	**Quantity:**	5 µg
	CRM200B		20 µg
	CRM200C		1 mg

Alternate Names: Mucosae-associated Epithelial Chemokine, CCK1, MEC, SCYA28

Description: Recombinant Human MEC/CCL28 is a single non-glycosylated polypeptide chain containing 108 amino acids.
Background: Mucosae-associated Epithelial Chemokine (MEC)/CCL28 (CC chemokine ligand 28) is a novel CC chemokine identified by TBLASTN searches of the Human Genome Systems (HGS) and Genbank dbEst database using a human chemokine consensus sequence. Human CCL28 cDNA encodes a 127 amino acid (aa) residue precursor protein with a putative 22 aa residue signal peptide that is cleaved to produce the 105 aa residue mature protein. Human and mouse CCL28 are highly conserved, sharing 83% aa identity in their mature regions. Among CC chemokines, CCL28 shares the most homology with CCL27/CTACK. The mouse CCL28 gene has been mapped to the distal region of chromosome 13. Human and mouse CCL28 RNA expression was found to be highest in normal and pathologic colon with the protein being expressed by epithelial cells. Human CCL28 RNA was also present in normal and asthmatic lung tissues. The receptor for CCL28 has been identified as the CCR10 (GPR2 orphan receptor) which is also the receptor for CCL27/CTACK

Gene ID: 56477

Protein Accession No: NP_683513

Source: *E. coli*

Molecular Weight: 12.3 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4 + 130 mM NaCl.

Purity: >97% by SDS-PAGE and HPLC

Endotoxin Level: Less than 1EU/µg of rHuMEC/CCL28 as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 1.0 -10.0 ng/ml.

Amino Acid Sequence: SEAILPIASS CCTEVSHHIS RRLLERVNMC RIQRADGDCD LAAVILHVKR RRICVSPHNH TVKQWMKVQA AKKNGKGNVC HRKKHHGKRN SNRAHQGKHE TYGHKTPY

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate

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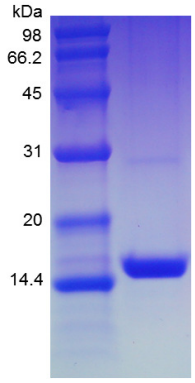
buffered solutions.

Storage & Stability: Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. **Avoid repeated freeze/thaw cycles.**

SDS-PAGE



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