
Product Data Sheet

Product Name: CCL28 Rat
 Cat. No.: GP21170
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	MEC; CCK1; SCYA28; MGC71902; CCL28; C-C motif chemokine 28; Small-inducible cytokine A28; Mucosae-associated epithelial chemokine; Protein CCK1.		
Amino Acid Sequence	SEAILPIASS CTEVSHHIP RLLERVNSC SIQRADGDCD LAAVILHVKR RRICVSPHNP TLKRWMSASE MKNGKENLCP RKKQDSGKDR KGHTPRKHGK HGTRRIHGTH DHEAPR.		
Solubility	It is recommended to reconstitute the lyophilized MEC in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4 and 150mM NaCl.		

Introduction

CCL28 is part of the subfamily of small cytokine CC genes. CCL28 shows chemotactic activity for resting CD4 or CD8 T cells and eosinophils. CCL28 binds to chemokine receptors CCR3 and CCR10. CCL28 is involved in the physiology of extracutaneous epithelial tissues, including diverse mucosal organs. CCL28 mediates mucosal immunity in HIV exposure and infection. CCL28 is involved in the pathogenesis of inflammatory skin diseases. Human CCL28 cDNA encodes a 127 amino acid residue precursor protein with a putative 22 amino acid residue signal peptide that is cleaved to produce the 105 amino acid residue mature protein. Human and mouse CCL28 are highly conserved, sharing 83% amino acid identity in their mature regions. CCL28 shares the most homology with CCL27/CTACK. Human and mouse CCL28 RNA expression was found to be highest in normal and pathologic colon with the protein being expressed by epithelial

Caution: Product has not been fully validated for medical applications. For research use only.

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cells. Human CCL28 RNA was also present in normal and asthmatic lung tissues.

Biological Activity

Determined by its ability to chemoattract murine lymphocytes using a concentration range of 1.0-10.0 ng/ml.

Stability

Lyophilized MEC although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution MEC should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

MEC Rat Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 116 amino acids and having a molecular mass of 13.1kDa. The Rat MEC is purified by proprietary chromatographic techniques.

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