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32-1951: rMEC Recombinant Protein

Alternative Name : MEC,CCK1,SCYA28,MGC71902,CCL28,C-C motif chemokine 28,Small-inducible cytokine A28,Mucosae-associated epithelial chemokine,Protein CCK1.

Description

Source : Escherichia Coli. 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. 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 cells. Human CCL28 RNA was also present in normal and asthmatic lung tissues.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4 and150mM NaCl.
Storage condition :	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.
Amino Acid :	SEAILPIASS CCTEVSHHIP RRLLERVNSC SIQRADGDCD LAAVILHVKR RRICVSPHNP TLKRWMSASE MKNGKENLCP RKKQDSGKDR KGHTPRKHGK HGTRRIHGTH DHEAPR.

Application Note

It is recommended to reconstitute the lyophilized MEC in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. Determined by its ability to chemoattract murine lymphocytes using a concentration range of 1.0-10.0 ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.