

Recombinant CCL28 (MEC), biotinylated

ORDERING INFORMATION

Catalog No.	Size
50183PB-2	2ug
50183PB-10	10ug
50183PB-50	50ug
50183PB-100	100ug

BACKGROUND

CCL28, also known as Mucosae-associated Epithelial Chemokine (MEC), is secreted by gastrointestinal and non-intestinal mucosal cells. It regulates chemotaxis of cells expressing surface receptors CCR3 and CCR10. This chemokine is constitutively expressed in the colon, but its levels can be increased by pro-inflammatory cytokines and certain bacterial products implying a role in effector cell recruitment to sites of epithelial injury. CCL28 has also been implicated in the migration of IgA-expressing cells to the mammary gland, salivary gland, intestine and other mucosal tissues. It has also been shown as a potential antimicrobial agent effective against certain pathogens, such as Gram negative and Gram positive bacteria and the fungus *Candida albicans*.

DESCRIPTION

Source:	Recombinant human CCL28, produced in <i>E. coli</i> , corresponds to aa 23-127 (accession no. Q9NRJ3).
Modification:	Biotinylated
Protein Sequence:	ILPIASSCCTEVSHHISRLLERVNMCRIQRADGDCDLAAVILHVKRRR ICVSPHNHTVKQWMKVQAACKKNGKGNVCHRKKHHGKRNSNRAHQG KHETYGHKTPY
Molecular Mass:	14.3kDa by Mass Spec.
Purity:	>97%
Activity:	EC50 = 40-60nM determined by Migration Assay of recombinant cells expressing CCR10.
Endotoxin Level:	<0.01 EU per 1ug of protein by LAL method.
Form:	Lyophilized.
Carrier Protein:	None.

PREPARATION AND STORAGE

Reconstitution:	Centrifuge tube prior to resuspending. Recommended at 100ug/ml in sterile distilled water.
Stability and Storage:	12 months from date of receipt, -20°C to -70°C, as supplied. 1 month, -20°C to -70°C, under sterile conditions after reconstitution. Best if used immediately after reconstitution. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in diagnostic or therapeutic procedures.