

## Recombinant CCL28 (MEC)

### ORDERING INFORMATION

Catalog No.	Size
50183P-5	5ug
50183P-20	20ug
50183P-50	50ug
50183P-100	100ug
50183P-1000	1000ug

### 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

<b>Source:</b>	Recombinant human CCL28, produced in <i>E. coli</i> , corresponds to aa 23-127 (accession no. Q9NRJ3).
<b>Protein Sequence:</b>	ILPIASSCCTEVSHHISRLLERVNMCRIQRADGDCDLAAVILHVKRRR ICVSPHNHTVKQWMKVQAAKKNKGKGNVCHRKKHHGKRNSNRAHQG KHETYGHKTPY
<b>Molecular Mass:</b>	12.073kDa by Mass Spec.
<b>Purity:</b>	>97%
<b>Activity:</b>	EC50 = 38nM determined by Migration Assay in L1.2 cells expressing CCR10.
<b>Endotoxin Level:</b>	<0.01 EU per 1ug of protein by LAL method.
<b>Form:</b>	Lyophilized.
<b>Carrier Protein:</b>	None.

### PREPARATION AND STORAGE

<b>Reconstitution:</b>	Recommended at 100ug/ml in sterile distilled water.
<b>Stability and Storage:</b>	12 months from date of receipt, -20°C to -70°C, as supplied. 1 month, 2°C to 8°C, under sterile conditions after reconstitution. 3 months, -20°C to -70°C, under sterile conditions after reconstitution.

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