

## Recombinant CCL7 (MCP-3)

### ORDERING INFORMATION

Catalog No.	Size
50188P-5	5ug
50188P-20	20ug
50188P-50	50ug
50188P-100	100ug
50188P-1000	1000ug

### RELATED PRODUCTS

#1112 Anti-Human CCR5 Antibody

### BACKGROUND

CCL7, also known as Monocyte Chemotactic Protein-3 (MCP-3), is a secreted chemokine that attracts macrophages, monocytes, and eosinophils during inflammation and metastasis. It is a member of the C-C subfamily of chemokines which are characterized by having two adjacent cysteine residues. *In vivo*, this protein is a substrate of matrix metalloproteinase 2 (MMP2), an enzyme that degrades components of the extracellular matrix. The gene that encodes CCL7 is part of a cluster of C-C chemokine family members on chromosome 17q. CCL7 binds to CCR1, CCR2, and CCR3 receptors and appears to be an antagonist for the CCR5 receptor.

### DESCRIPTION

<b>Source:</b>	Recombinant human CCL7 is produced in <i>E. coli</i> (accession no. P80098).
<b>Protein Sequence:</b>	QPVGINTSTTCCYRFINKKIPKQRLESYRRTTSSHCPREAVIFK TKLDKEICADPTQKWVQDFMKHLDKKTQTPKL
<b>Molecular Mass:</b>	8.956kDa by Mass Spec.
<b>Purity:</b>	>97% by SDS-PAGE
<b>Activity:</b>	EC50 = 0.91nM determined by migration of recombinant CCR2-expressing cells.
<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.*