

## Recombinant CCL5 (Rantes), biotinylated

### ORDERING INFORMATION

Catalog No.	Size
50181PB-2	2ug
50181PB-10	10ug
50181PB-50	50ug
50181PB-100	100ug

### RELATED PRODUCTS

#1112 Anti-HIV Co-Receptor CCR5 Antibody

### BACKGROUND

CCL5, also known as Regulated on Activation, Normal T-cell Expressed and Secreted (RANTES), is a proinflammatory chemokine that induces migration and activation of leukocytes, and is also implied in HIV infection. CCL5 binds to cell surface receptors CCR1, CCR3, CCR4, and CCR5. Its biological effects on leukocyte activation and HIV infections is dependent upon concentration and on the binding of cell surface glycosaminoglycans.

### DESCRIPTION

<b>Source:</b>	Recombinant human CCL5, produced in <i>E. coli</i> , corresponds to aa 24-91 (accession no. P13501).
<b>Modification:</b>	Biotinylated
<b>Protein Sequence:</b>	SPYSSDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQV CANPEKKWVREYINSLEMS
<b>Purity:</b>	>97% by SDS-PAGE
<b>Activity:</b>	EC50 = 0.25-0.50nM determined by Migration Assay in cells expressing recombinant CCR5.
<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>	Centrifuge tube prior to resuspending. 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, -20°C to -70°C, under sterile conditions after reconstitution. Best if used immediately after reconstitution. <b>Avoid multiple freeze-thaw cycles.</b>

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