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Datasheet for ABIN6952147 CCL14 Protein (AA 28-93)

Image



Overview

Quantity:	100 µg
Target:	CCL14
Protein Characteristics:	AA 28-93
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	GPYHPSECCF TYTTYKIPRQ RIMDYYETNS QCSKPGIVFI TKRGHSVCTN PSDKWVQDYI KDMKEN
Characteristics:	Recombinant Human CCL14 (HCC-1)
Purity:	> 97 % by SDS PAGE
Endotoxin Level:	<0.01 EU per $1\mu g$ of the protein by the LAL method
Biological Activity Comment:	EC50 = 0.1-0.4 nM determined by Migration Assay in cells expressing recombinant CCR1

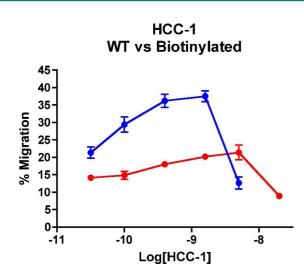
Target Details

Target:	CCL14
Alternative Name:	CCL14 (HCC-1) (CCL14 Products)
Background:	Hemofiltrate CC chemokine-1(HCC-1/CCL14) is endogeneously expressed by numerous

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	tissues. Upon processing of the N terminal residues of the full length HCC-1 by the uPA-plasmin system, the active form of HCC-1 (made by ChemoTactics) is a strong agonist for CCR1, CCR5 and to a lesser extent CCR3, and causes chemotaxis of different types of leukocytes. The active form of HCC-1 is also shown as a potent inhibitor of HIV entry.
Molecular Weight:	7.801 kDa
UniProt:	Q16627
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Spin tube prior to resuspending. Recommended at 100 μ g/mL in sterile water
Storage:	-20 °C,-80 °C
Storage Comment:	12 months from date of receipt, -20 to -70 °C as supplied.
	Suggest to use immediately after reconstitution
	1 month at -20 to -70 °C under sterile conditions after reconstitution.
Expiry Date:	12 months

Validation report #104432 for ELISA (ELISA)



Cellular Assay

Image 1. Cells expressing recombinant CCR1 were assayed for migration through a transwell filter at various concentrations of WT or Biotinylated HCC-1. Responses are expressed as the % of total input cells (Blue: wild type; Red: biotinylated).

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