

# Recombinant human CCL14/HCC-1 protein

Catalog Number: ATGP0930

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

20-93aa

### UniProt No.

Q16627

### NCBI Accession No.

NP\_116739

### Alternative Names

SY14, Small-inducible cytokine A14, SCYL2, SCYA14, NCC-2, NCC2, MCIF, HCC-3, HCC-1, FLJ16015, CKb1, Chemokine CC-1/CC-3, Chemokine (C-C motif) ligand 14, CC-3, CC-1, C-C motif chemokine 14

## PRODUCT SPECIFICATION

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### Molecular Weight

10.9 kDa (95aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CCL14, also known as Chemokine (C-C motif) ligand 14, is member of a superfamily of inducible, secreted, proinflammatory cytokines. It has weak activities on human monocytes and acts via receptors that also recognize MIP-1alpha. It also enhances the proliferation of CD34 myeloid progenitor cells. The processed form of

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CCL14, designated HCC-1 (9-74), is a chemotactic factor that attracts monocytes, eosinophils and T cells and is a ligand for CCR1, CCR3 and CCR5. Recombinant human CCL14 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MTKTESSSRG PYHPSECCFT YTTYKIPRQR IMDYYETNSQ CSKPGIVFIT KRGHSVCTNP  
SDKWVQDYIK DMKEN

### General References

Munch J., et al. (2002) *Antimicrob Agents Chemother.* 46:982-990.

Blain K.Y., et al. (2007) *Biochemistry.* 46:10008-10015.

## DATA

### SDS-PAGE

3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

