

# Recombinant human CCL13/MCP-4 protein

Catalog Number: ATGP0696

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

24-98aa

### UniProt No.

Q99616

### NCBI Accession No.

NP\_005399

### Alternative Names

C-C motif chemokine 13, CK-beta-10, Monocyte chemoattractant protein 4, Monocyte chemotactic protein 4, MCP-4, NCC-1, Small-inducible cytokine A13, MCP4, NCC1, SCYA13, SCYL1, CKb10

## PRODUCT SPECIFICATION

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### Molecular Weight

10.8 kDa (96aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by BCA assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 0.1M NaCl, 1mM DTT

### Purity

> 90% 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

CCL13 is a small cytokine belonging to the CC chemokine family that is also known as thymus and activation regulated chemokine (TARC). This protein induces chemotaxis in monocytes, eosinophils, T lymphocytes, and basophils by binding cell surface G-protein linked chemokine receptors such as CCR2, CCR3 and CCR5. It can be

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induced by the inflammatory cytokines interleukin-1 and TNF-alpha. Recombinant human CCL13 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MQPDALNVPS TCCFTFSSKK ISLQRLKSYV ITTSRCPQKA VIFRTKLGKE ICADPKEKWV  
QNYMKHLGRK AHTLKT

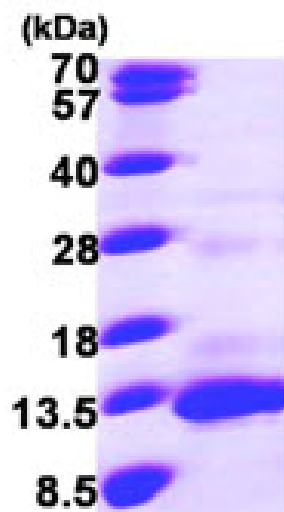
### General References

Garcia-Zepeda EA, et al.. (1996) J Immunol. 157:5613-5626

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)