

# Recombinant human CCL4L1/MIP-1 beta protein

Catalog Number: ATGP1042

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

24-92aa

### UniProt No.

Q8NHW4

### NCBI Accession No.

NP\_996890.1

### Alternative Names

C-C motif chemokine ligand 4 like 1, Lymphocyte activation gene 1 protein, LAG-1, Macrophage inflammatory protein 1-beta, MIP-1-beta, Monocyte adherence-induced protein 5-alpha, Small-inducible cytokine A4-like, SCYA4L, AT744.2

## PRODUCT SPECIFICATION

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### Molecular Weight

10.5 kDa (94aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 10mM Sodium Citrate buffer (pH 3.5) containing 10% glycerol

### 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

CCL4L1 (C-C motif chemokine 4-like) belongs to intercrine beta (chemokine CC) family. This protein is similar to CCL4 which inhibits HIV replication in peripheral blood monocytes that express CCR5. Recombinant human

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CCL4L1 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

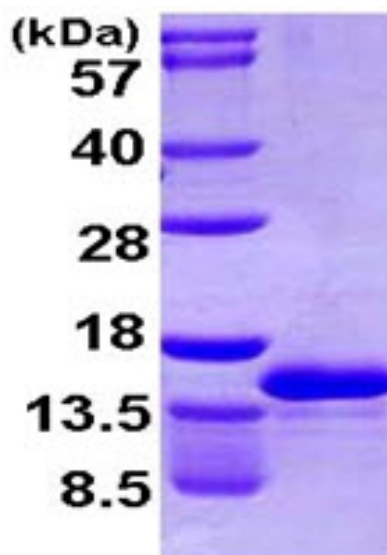
MGSSHHHHHH SSGLVPRGSH MGSHMAPMGS DPPTACCFSY TARKLPRNFV VDYETSSLC SQPAVVFQTK RGKQVCADPS  
ESWVQEYVYD LELN

## General References

Howard O.M.Z., et al. (2004) Biochem. Biophys. Res. Commun. 320:927-931  
Colobran R, et al. (2005) J Immunol. 174(9):5655-64.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)