

# Recombinant human CCL19/MIP-3 beta protein

Catalog Number: ATGP0580

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

22-98aa

### UniProt No.

Q99731

### NCBI Accession No.

NP\_006265.1

### Alternative Names

C-C motif chemokine ligand 19, Beta-chemokine exodus-3, CK beta-11, Epstein-Barr virus-induced molecule 1 ligand chemokine, EBI1 ligand chemokine, ELC, Macrophage inflammatory protein 3 beta, MIP-3-beta, MIP3B, Small-inducible cytokine A19, SCYA19, Beta chemokine exodus-3, Exodus-3, CKb11

## PRODUCT SPECIFICATION

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### Molecular Weight

10.4 kDa (93aa) 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

T7-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

CCL19 is a small cytokine belonging to the CC chemokine family that is also known as thymus and activation regulated chemokine (TARC). This protein is involved in immunoregulatory and inflammatory processes. It elicits

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its effects on its target cells by binding to the chemokine receptor chemokine receptor CCR7. It attracts certain cells of the immune system, including dendritic cells and antigen-engaged B cells, CCR7+ effector-memory T-Cells. Recombinant human CCL19 protein, fused to T7-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

<MASMTGGQQM GRGSHM>GTND AEDCCLSVTQ KPIPGYIVRN FHYLLIKDGC RVPVAVFTTL RGRQLCAPPD QPWVERIIQR LQRTSAKMKR RSS

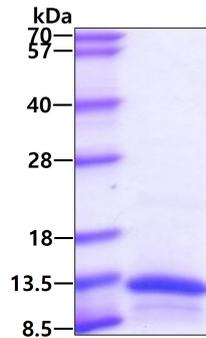
## General References

Yoshida R, et al. (1997) J Biol Chem. 272(21):13803-9.

Robbiani DF, et al. (2000) Cell. 103(5):757-68.

## DATA

### SDS-PAGE



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