



## Macrophage Inflammatory protein-4 (CCL18), His Tag, human recombinant (rHuMIP-4-His)

**Catalog No:** 97376  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Small inducible cytokine A18, CCL18, Macrophage inflammatory protein 4, MIP-4, Pulmonary and activation-regulated chemokine, CC chemokine PARC, Alternative macrophage activation-associated CC chemokine 1, AMAC-1, Dendritic cell chemokine 1, DC-CK1, chemokine (C-C motif) ligand 18, CKb7, PARC, AMAC1, DCCK1, SCYA18

### Background

Chemokine (C-C motif) ligand 18 (CCL18) is a small cytokine belonging to the CC chemokine family that was previously called PARC (pulmonary and activation-regulated chemokine). CCL18 is approximately 60% identical in amino acid sequence to CCL3. It is expressed at high levels in lung and at lower levels in certain lymphoid tissues, such as the lymph nodes, and is chemotactic for activated T cells and non activated lymphocytes. The gene for human CCL18 contains three exons and is located on chromosome 17.

### Description

Macrophage Inflammatory protein-4 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 93 amino acids (22-89) and having a molecular mass of 10.4 kDa. MIP-4 is fused with a 25 amino acid His Tag at N-terminus purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

The MIP-4 solution (0.25 mg/ml) contains 10 mM sodium citrate pH3.5 and 10% glycerol.

### Stability

MIP-4 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSQMVGVTN KELCCLVYTS WQIPQKFIVD YSETSPQCPK PGVILLTKRG RQICADPNKK  
WVQKYISDLK LNA

### Usage

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