

**Product:** Macrophage Inflammatory Protein-4 (CCL18), Human, Recombinant  
**Catalog #:** 11-MIP-4H  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant Human MIP-4 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7813 Dalton.  
rHuMIP-4 is purified by proprietary chromatographic techniques.  
The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Gln-Val-Gly-Thr.

**SOURCE:** *Escherichia coli* expression system

**MOLECULAR WEIGHT:** 7.8 kDa

**PURITY:** > 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rHuMIP-4.

**DIMERS & AGGREGATES:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm.  
2. RP-HPLC-Analysis, using calibrated solution of MIP-4 as a Reference Standard.

**FORM:** Purified.

**CONCENTRATION:** 0.1 mg/ml

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

**BIOLOGICAL ACTIVITY:** rHuMIP-4 is fully biologically active when compared to standard.  
The Activity is calculated by the ability to chemoattract Human T lymphocytes at 1.0-10.0 ng/ml.

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