

## Datasheet for ABIN988165 **CCL23 Protein**



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### Overview

Quantity:	20 µg
Target:	CCL23
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

### Product Details

Sequence:	RVTKDAETEF MMSKLPLENP VLLDRFHATS ADCCISYTPR SIPCSLLESY FETNSECSKP GVIFLTKKGR RFCANPSDKQ VQVCMRMLKL DTRIKTRK
Characteristics:	Fully biologically active when compared to standard. The ED50 determined by a chemotaxis bioassay using human THP-1 cells is less than 40 ng/ml, corresponding to a specific activity of $> 2.5 \times 10^4$ IU/mg.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rHuMIP-3/CCL23 as determined by LAL method

### Target Details

Target:	CCL23
Alternative Name:	MIP-3/CCL23 ( <a href="#">CCL23 Products</a> )
Background:	MIP-3/CCL23 is a CC chemokine that signals through the CCR1 receptor. MIP-3 chemoattracts monocytes, resting T-lymphocytes and neutrophils, but does not chemoattract activated lymphocytes. Additionally, MIP-3 has been shown to inhibit colony formation of bone marrow

## Target Details

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myeloid immature progenitors. Alternative splicing of the MPIF1 gene results in two mRNAs that encode a short (CKbeta8) and a long (CKbeta81) isoform of the chemokine. CKbeta8 cDNA encodes a 120 amino acid (aa) residue precursor protein with a putative 21 aa residue signal peptide that is cleaved to generate a 99 aa residue mature CKbeta8 (aa 22-120). Additional N terminal processing of the 99 aa residue variant can generate a 75 aa residue CKbeta8 (aa 46-120) that is significantly more active than the 99 aa residue variant. Synonym: MIP-3/CCL23, Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.

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Molecular Weight: 11.3 kDa, a single, non-glycosylated polypeptide chain containing 99 amino acids.

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.

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Storage: 4 °C