

## Product datasheet

# Recombinant human CCL4/MIP-1 beta protein (Active) ab256083

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### Description

<b>Product name</b>	Recombinant human CCL4/MIP-1 beta protein (Active)	
<b>Biological activity</b>	Human PBMC chemotaxis (first detectable at 3.1 ng/mL).	
<b>Purity</b>	> 95 % SDS-PAGE.	
<b>Endotoxin level</b>	<=1.000 Eu/μg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<b><u>P13236</u></b>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	APMGSDPPTACCFSTARKLPRNFVVDYETSSLCSQPA VVFQTKRGKQV CADPSESWVQEYVDLELN	
<b>Predicted molecular weight</b>	8 kDa	
<b>Amino acids</b>	24 to 92	
<b>Additional sequence information</b>	Full-length mature chain lacking the signal peptide.	

### Specifications

Our **Abpromise guarantee** covers the use of **ab256083** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Functional Studies
<b>Form</b>	Lyophilized

### Preparation and Storage

**Stability and Storage** Shipped at room temperature. Store at -20°C.

Constituent: 0.1% Trifluoroacetic acid

0.2 micron filtered

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## Reconstitution

Reconstitute in sterile water at 0.1 mg/ml. Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws.

## General Info

### Function

Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta(3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1-beta(3-69) is also a ligand for CCR1 and CCR2 isoform B.

### Sequence similarities

Belongs to the intercrine beta (chemokine CC) family.

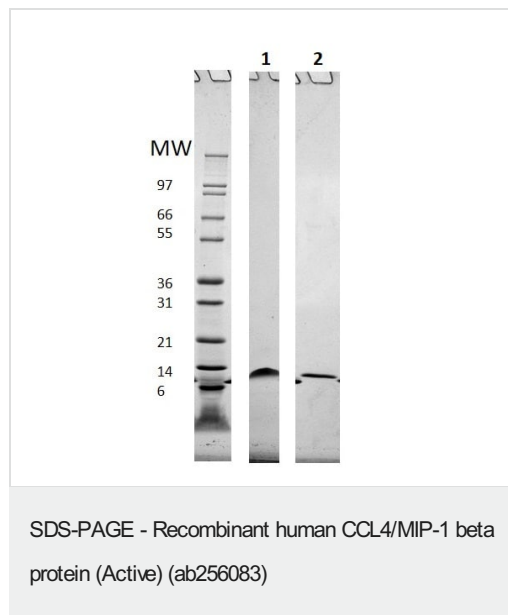
### Post-translational modifications

N-terminal processed form MIP-1-beta(3-69) is produced by proteolytic cleavage after secretion from peripheral blood lymphocytes.

### Cellular localization

Secreted.

## Images



SDS-PAGE analysis of ab256083 (1 µg) under non-reducing (Lane 1) and reducing (Lane 2) conditions.

4-20% Tris-Glycine gel. Coomassie Blue staining.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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