

## Product datasheet

# Recombinant mouse Macrophage Inflammatory Protein 1 alpha / CCL3 (Active) ab256082

1 Image

### Description

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<b>Product name</b>	Recombinant mouse Macrophage Inflammatory Protein 1 alpha / CCL3 (Active)	
<b>Biological activity</b>	THP-1 chemotaxis $\leq 100$ ng/mL.	
<b>Purity</b>	> 95 % SDS-PAGE.	
<b>Endotoxin level</b>	$\leq 1.000$ Eu/ $\mu$ g	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<b><u>P10855</u></b>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Mouse	
<b>Sequence</b>	APYGADTPTACCFSYSRKIPRQFVDYFETSSLCSQPGVIF LTKRNRQIC ADSKETWVQEYITDLELNA	
<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.	
<b>Description</b>	Recombinant mouse MIP-1 alpha/CCL3 protein (Active)	

### Specifications

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Our **Abpromise guarantee** covers the use of **ab256082** 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

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## 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 CCR1, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-alpha induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV).

### Sequence similarities

Belongs to the intercrine beta (chemokine CC) family.

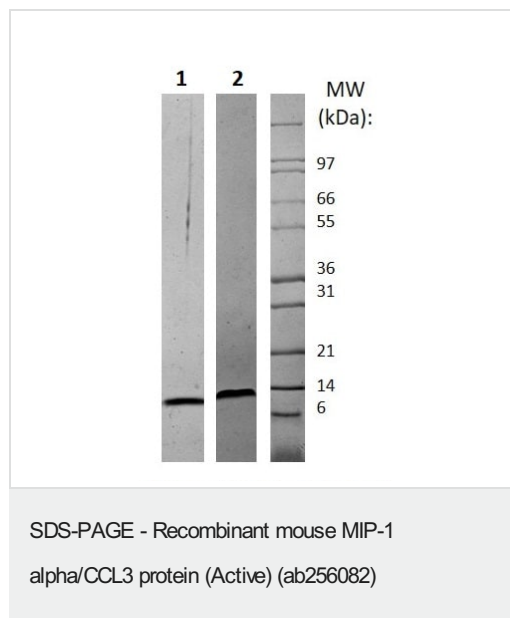
### Post-translational modifications

N-terminal processed form LD78-alpha(4-69) is produced by proteolytic cleavage after secretion from HTLV1-transformed T-cells.

### Cellular localization

Secreted.

## Images



SDS-PAGE analysis of ab256082 (1 µg) under reducing (Lane 1) and non-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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- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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