

## Product datasheet

# Recombinant human Macrophage Inflammatory Protein 1 alpha / CCL3 ab202801

### Description

<b>Product name</b>	Recombinant human Macrophage Inflammatory Protein 1 alpha / CCL3	
<b>Biological activity</b>	Determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/ml.	
<b>Purity</b>	> 96 % SDS-PAGE. > 96 % by HPLC analysis.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P10147</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	ASLAADTPTACCF SYTSRQIPQNF IADYFETSSQC SKPGVI FLTKRSRQV CADPSEEWWQKYVSDLELSA	
<b>Predicted molecular weight</b>	8 kDa	
<b>Amino acids</b>	23 to 92	
<b>Additional sequence information</b>	This product is the mature full length protein from aa 23 to 92. The signal peptide is not included.	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab202801** 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
	HPLC
<b>Form</b>	Lyophilized

### Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle.  
pH: 7.40  
Constituents: 0.58% Sodium chloride, 99% Phosphate Buffer

Lyophilised from a 0.2mm filtered concentrated solution.

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

**Reconstitution** Briefly centrifuge vial 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 to -70°C. Further dilutions should be made in appropriate buffered solutions.

## General Info

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**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.

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

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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