

For Research Use Only

# Recombinant Mouse CCL12/MCP-5 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3315

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/ μg protein, LAL method

**Source:**  
HEK293-derived Mouse CCL12 protein Gly23-Gly104 (Accession# Q62401) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
20293

**Accession:**  
Q62401

**Predicted Molecular Mass:**  
35.6 kDa

**SDS-PAGE:**  
37-47 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

### Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

### Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

CCL12, also known as MCP-5, is a small cytokine belonging to the CC chemokine family. It is a structural and functional homologue of human MCP-1. CCL12 is found predominantly in lymph nodes and thymus under normal conditions, and its expression can be markedly induced in activated macrophages both in vitro and in vivo. CCL12 is involved in allergic inflammation and the host response to pathogens and may play a pivotal role during early stages of allergic lung inflammation.

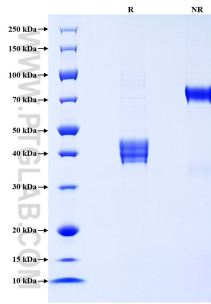
## References

1. M N Sarafi. et al. (1997) J Exp Med. 185(1):99-109.
2. D.A. Luster. et al. (1998) J Exp Med. 338 (1998), 436-445.
3. G Q Jia. et al. (1996) J Exp Med. 184(5):1939-51.

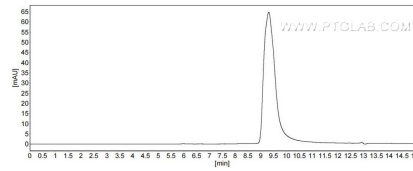
## Synonyms

C-C motif chemokine 12, Ccl12, MCP-1-related chemokine, Mcp5, MCP-5

## Selected Validation Data



Purity of Recombinant Mouse CCL12 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse CCL12 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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