



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



## MIP-2, viral recombinant (Human herpesvirus 8, HHV-8)

**Catalog No:** 99970  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** MIP-2 Viral, Viral MIP-2, MIP2 Viral, Viral MIP2, Viral Macrophage inflammatory Protein-2

### Background

Viral MIP-2 is closely related to MIP- $\alpha$ , with an amino acid sequence similarity of about 41%. At the amino acid sequence level, Viral MIP-1 and Viral MIP-2 share 48% similarity. Viral MIP-1 and Viral MIP-2 are more closely linked to one another phylogenetically, than to other human chemokines. This signifies, that they have gene duplication within the virus rather than by two independent gene acquisitions. Viral MIP-2 binds to the CCR3 chemokine receptor through eotaxin and other  $\beta$ -chemokine activated eosinophils. Viral MIP-2 activates and chemoattracts human eosinophils.

### Description

MIP-2 Viral Recombinant, produced in *E. coli*, is a single, non-glycosylated polypeptide chain containing 70 amino acids. It has a molecular mass of 7.9 kDa. The MIP-2 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered, white, lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a 1 mg/ml solution containing 20 mM phosphate buffer (pH 7.4) and 0.15 M NaCl.

### Solubility

It is recommended to reconstitute the lyophilized CXCL2 Viral in sterile 18 M $\Omega$ -cm H<sub>2</sub>O not less than 100  $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized MIP-2 Viral protein, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Amino Acid Sequence

LGASWHRPDK CCLGYQKRPL PQVLLSSWYP TSQLCSKPGV IFLTKRGRQV CADKSKDWVK KLMQQLPVTA

### Activity

Determined by the inhibitory effect on monocyte migration response to human MIP1A, using a concentration range of 1-10  $\mu$ g/ml of viral MIP2, which will inhibit 25 ng/ml of human MIP1A.

### Usage

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