



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### 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) 

PPH175 PODS<sup>®</sup> Human IL-8

## Description

The product contains the polyhedrin protein co-crystallized with Human mature IL-8 (amino acids 23-99) which lacks the signal peptide and MDNCF $\alpha$  fragment. IL-8, also known as CXCL8 is a member of the CXC subfamily of chemokines and a major mediator of the inflammatory response. IL-8 functions as a chemotactic factor that attracts neutrophils as well as other granulocytes to sites of inflammation. It is secreted by several cell types including mononuclear macrophages, neutrophils, eosinophils, T-lymphocytes, fibroblast and epithelial cells in response to inflammatory stimuli. IL-8 also plays important functions in neutrophil activation, tumour migration, invasion and angiogenesis.

|                         |   |
|-------------------------|---|
| <b>Length</b>           | 122 aa  |
| <b>Molecular Weight</b> | 14 kDa  |
| <b>Source</b>           | <i>Spodoptera frugiperda (Sf9) cell culture</i> |
| <b>Accession Number</b> | P10145  |

## Usage Recommendation

PODS<sup>®</sup> co-crystals provide a depot of proteins which are steadily secreted. It has been estimated that the biological activity of 50 million PODS<sup>®</sup> co-crystals generates the same peak dose as 3.3  $\mu$ g of standard recombinant protein. However, at 5 days following the start of seeding the PODS<sup>®</sup> co-crystals, there are more than 50% of these peak levels still present in the culture system. Ultimately, the amount of PODS<sup>®</sup> co-crystals that is optimal for a particular experiment should be determined empirically. Based on previous data, we suggest using 50 million PODS<sup>®</sup> co-crystals in place of 3.3  $\mu$ g of standard growth factor as a starting point. To control for cross-reactivity with cells or as a negative control, we recommend using PODS<sup>®</sup> growth factors alongside PODS<sup>®</sup> Empty crystals, as the latter do not contain or release cargo protein.

## Specifications

|                          |  |
|--------------------------|--|
| <b>Alternative Names</b> | Interleukin-8, IL-8, C-X-C motif chemokine 8, CXCL8, Emotakin, Granulocyte chemotactic protein 1, GCP-1, Monocyte-derived neutrophil chemotactic factor (MDNCF), NAP-1 |
| <b>Endotoxin Level</b>   | <0.06 EU/ml as measured by gel clot LAL assay  |
| <b>Formulation</b>       | PODS <sup>®</sup> were lyophilized from a volatile solution  |
| <b>AA Sequence</b>       | MADVAGTSNR DFRGREQRLF NSEQYNNNS KNSRPSTSLY KKAGFAVLPR SAKELRCQCI<br>KTYSKPFHPK FIKELRVIES GPHCANTEII VKLSDGRELC LDPKENWVQR VVEKFLKRAE<br>NS                            |

## Preparation and Storage

|                              |  |
|------------------------------|--|
| <b>Reconstitution</b>        | PODS <sup>®</sup> co-crystals may be reconstituted at 200 million co-crystals/ml in sterile PBS. 20% glucose has a buoyant density closer to PODS <sup>®</sup> co-crystals and can be useful for aliquoting. PODS <sup>®</sup> co-crystals are highly stable when stored in aqueous solution (pH range 6 - 8). |
| <b>Stability and Storage</b> | Upon receipt, store at 4°C. PODS <sup>®</sup> co-crystals are stable for at least 1 year when dry and 6 months when resuspended.   |