



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

www.szabo-scandic.com

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

PPH322 PODS[®] Human Semaphorin 3C

Description

The product contains the polyhedrin protein co-crystallized with Human Semaphorin 3C. Semaphorin 3C is a secreted semaphorin and potent chemorepellent during axon and vascular guidance in the development stage. Semaphorin 3C is upregulated in tumour progression and expressed in lung and neural cells.

Length	763 aa
Molecular Weight	173.2 kDa
Source	<i>Spodoptera frugiperda (Sf9) cell culture</i>
Accession Number	Q99985

Usage Recommendation

PODS[®] co-crystals provide a depot of proteins which are steadily secreted. It has been estimated that the biological activity of 50 million PODS[®] co-crystals generates the same peak dose as 3.3 µg of standard recombinant protein. However, at 5 days following the start of seeding the PODS[®] co-crystals, there are more than 50% of these peak levels still present in the culture system. Ultimately, the amount of PODS[®] co-crystals that is optimal for a particular experiment should be determined empirically. Based on previous data, we suggest using 50 million PODS[®] co-crystals in place of 3.3 µg of standard growth factor as a starting point. To control for cross-reactivity with cells or as a negative control, we recommend using PODS[®] growth factors alongside [PODS[®] Empty crystals](http://www.cellgs.com/products/podsand8482-empty.html), as the latter do not contain or release cargo protein.

Specifications

Alternative Names	Sema E, SEMA3C, SEMAE, semaphorin E, semaphorin-3C, semaphorin-E, SEME
Endotoxin Level	<0.06 EU/ml as measured by gel clot LAL assay
Formulation	PODS [®] were lyophilized from a volatile solution

AA Sequence	MADVAGTSNR DFRGREQRLF NSEQYNYNNS KNSRPSTSLY KKAGFGSSQP QARVYLTFDE LRETKTSEYF SLSHHPLDYR ILLMDEDQDR IYVGSKDHL SLNINNISQE ALSVFWPAST IKVEECKMAG KDPTHGCGNF VRVIQTFNRT HLYVCGSGAF SPVCTYLNRG RRSEDQVFM DSKCESGKGR CSFNPVNTV SVMINEELFS GMYIDFMGTD AAIFRSLTKR NAVRTDQHNS KWLSEPMFVD AHVIPDGTDP NDAKVYFFFK EKLTDNNRST KQIHSMIARI CPNDTGGLRS LVNKWTTFLK ARLVCSVTDE DGPETHFDEL EDVFLLETDN PRTTLVYGIF TTSSSVFKGS AVCVYHLSDI QTVFNGPFAH KEGPNHQLIS YQGRIPYPRP GTCPPGGAFTP NMRTTKEFPD DVVTFIRNHP LMYNSIYPIH KRPLIVRIGT DYKYTKIAVD RVNAADGRYH VLFLGTDGRGT VQKVVLPTN NSVSGELILE ELEVFKNHAP ITTMKISSKK QQLYVSSNEG VSQVSLHRCH IYGTACADCC LARDPYCAWD GHSCSRFYPT GKRRSRRQDV RHGNPLTQCR GFNLKAYRNA AEIVQYGVKN NTFLECAPK SPQASIKWLL QKDKDRRKEV KLNERRIATS QGLLIRSVQG SDQGLYHCIA TENSFKQTIA KINFKVLDSE MVAVVTDKWS PWTWASSVRA LPPHPKDIMG AFSHSEMQMI NQYCKDTRQQ HQQGDESQKM RGDYGLKAL INS
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Preparation and Storage

Reconstitution	PODS [®] co-crystals may be reconstituted at 200 million co-crystals/ml in water. 20% glucose has a buoyant density closer to PODS [®] co-crystals and can be useful for aliquoting. PODS [®] co-crystals are highly stable when stored in aqueous solution (pH range 6 - 8).
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Stability and Storage

Upon receipt, store at 4°C. PODS® co-crystals are stable for at least 1 year when dry and 6 months when resuspended.