



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

www.szabo-scandic.com

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



Sphingomyelin Synthase 1 (SMS1) Blocking Peptide

BACKGROUND

Sphingomyelin Synthase is a bidirectional lipid cholinephosphotransferases capable of converting phosphatidylcholine (PC) and ceramide to sphingomyelin (SM) and diacylglycerol (DAG) in addition to performing the inverse reaction. The direction is dependent on the relative concentrations of DAG and ceramide as phosphocholine acceptors. It directly and specifically recognizes the choline head group on the substrate. It also requires two fatty chains on the choline-P donor molecule in order to be recognized efficiently as a substrate. It may not function strictly as a SM synthase and is inhibited by bacterial PC-phospholipase C inhibitor D609. It is localized to Golgi apparatus; Golgi membrane; multi-pass membrane protein. It can be possibly present on the brain, heart, kidney, liver, muscle and stomach.

ORDERING INFORMATION

CATALOG NUMBER

X2312B

SIZE

50 μ g

CUSTOMER STORAGE

Product should be stored at -20°C.
Aliquot to avoid freeze/thaw cycles

FORMULATION

Provided as solution in phosphate buffered saline

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STABILITY

Products are stable for one year from purchase when stored properly

COMMENTS

For use with SMS1 polyclonal antibodies (Cat. No. X2065P and X1701P).

INSTRUCTIONS

Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37 deg C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

Example: 10 μ l or 10 μ g of Exalalpha's rabbit anti-SMS1 (Cat. No. X1701P) is added to 10 μ g of blocking peptide for a total volume of 20 μ l. The mixture is allowed to incubate for 20 minutes at 37 deg C prior to dilution in suitable buffer (for Western blot, etc.).