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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

www.szabo-scandic.com

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

Sphingosine Kinase 1, Long Form, Rat Blocking Peptide

BACKGROUND

Rat sphingosine kinase 1 catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (spp)(sphingosine + ATP = sphingosine 1-phosphate + ADP), a lipid mediator with both intra- and extracellular functions. also acts on d-erythro-sphingosine and to a lesser extent sphinganine, but not other lipids, such as d,l-threo-dihydrosphingosine, n, n-dimethylsphingosine, diacylglycerol, ceramide, or phosphatidylinositol. The long form of sphingosine kinase 1, an N-terminal extension, is responsible for FcεRI-mediated calcium mobilization and may play a role in other ligand mediated signaling events.

ORDERING INFORMATION

CATALOG NUMBER

X1875B

SIZE

50 µg

CUSTOMER STORAGE

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

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STABILITY

Products are stable for one year from purchase when stored properly

COMMENTS

Blocking peptide for use with rat Sphingosine kinase 1, long form antibodies (X1848P & X2038P).

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 µl or 10 µg of Exalpa's rabbit anti-rat Sphingosine Kinase 1, Long Form (Cat. No. X1848P or X2038P) is added to 10 µg of blocking peptide for a total volume of 20 µl. The mixture is allowed to incubate for 20 minutes at 37 deg C prior to dilution in suitable buffer (for Western blot, etc.).