



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) 

SLC9A1 Pre-design Chimera RNAi

Catalog # : H00006548-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 1 (antiporter, Na⁺/H⁺, amiloride sensitive) (SLC9A1), mRNA.

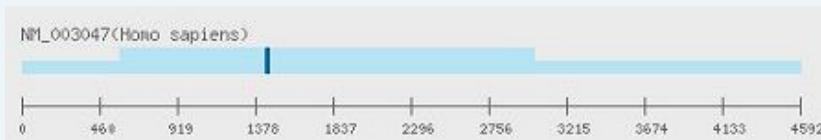
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_003047

Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Application Image

RNAi Knockdown

Publication Reference

- dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.
Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S. *Nucleic Acids Res.* 2005 Jul 1;33(Web Server issue):W589-91.
- Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.
Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K. *Nucleic Acids Res.* 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
- Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.
Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K. *Nucleic Acids Res.* 2004 Feb 9;32(3):936-48. Print 2004.
- siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.
Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K. *Nucleic Acids Res.* 2004 Jul 1;32(Web Server issue):W124-9.

Applications

RNAi Knockdown

Gene Information

Entrez GeneID: 6548

Gene Name: SLC9A1

Gene Alias: APNH,FLJ42224,NHE1

Gene solute carrier family 9 (sodium/hydrogen exchanger), member 1
Description:

Omim ID: [107310](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The Na⁺/H⁺ antiporter (SLC9A1) is a ubiquitous membrane-bound enzyme involved in pH regulation of vertebrate cells. It is specifically inhibited by the diuretic drug amiloride and activated by a variety of signals including growth factors, mitogens, neurotransmitters, tumor promoters, and others (Mattei et al., 1988 [PubMed 2846238]).[supplied by OMIM]

Other Designations: Na⁺/H⁺ antiporter, amiloride-sensitive, Na-Li countertransporter, OTTHUMP00000004468, sodium/hydrogen exchanger 1, solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na⁺/H⁺, amiloride sensitive), solute carrier family 9 (sodium/hydroge

Gene Pathway

[Cardiac muscle contraction](#) [Regulation of actin cytoskeleton](#)

Related Disease

[Cerebrovascular Accident](#) [Genetic Predisposition to Disease](#) [Seizures](#), [Febrile](#)