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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) 

SLC5A1 Pre-design Chimera RNAi

Catalog # : H00006523-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens solute carrier family 5 (sodium/glucose cotransporter), member 1 (SLC5A1), mRNA.

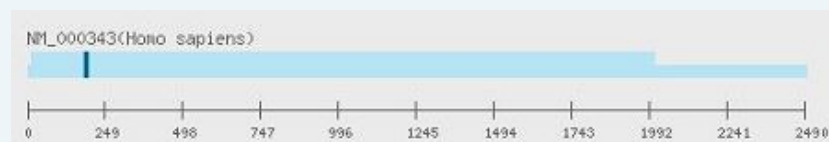
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000343

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: [6523](#)

Gene Name: SLC5A1

Gene Alias: D22S675,NAGT,SGLT1

Gene Description: solute carrier family 5 (sodium/glucose cotransporter), member 1

Omim ID: [182380](#), [606824](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Glucose transporters are integral membrane proteins that mediate the transport of glucose and structurally-related substances across cellular membranes. Two families of glucose transporter have been identified: the facilitated-diffusion glucose transporter family (GLUT family), also known as 'uniporters,' and the sodium-dependent glucose transporter family (SGLT family), also known as 'cotransporters' or 'symporters' (Wright et al., 1994 [PubMed 7823022]). The SLC5A1 gene encodes a protein that is involved in the active transport of glucose and galactose into eukaryotic and some prokaryotic cells.[supplied by OMIM]

Other Designations: Human Na⁺/glucose cotransporter 1 mRNA, complete cds,sodium/glucose cotransporter 1,solute carrier family 5 (sodium/glucose transporter), member 1

Related Disease

[Genetic Predisposition to Disease](#) [Hyperparathyroidism](#), [Secondary Tobacco Use Disorder](#)

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