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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SLC8A3 Pre-design Chimera RNAi

Catalog # : H00006547-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens solute carrier family 8 (sodium-calcium exchanger), member 3 (SLC8A3), transcript variant a, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_033262

Target Region: Coding sequence

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

Note: Position of the Chimera RNAi.
The related RNAi products listed below were designed from different accession number but sharing the same RNAi sequence.



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: [6547](#)

Gene Name: SLC8A3

Gene Alias: NCX3

Gene Description: solute carrier family 8 (sodium/calcium exchanger), member 3

Omim ID: [607991](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a member of the sodium/calcium exchanger integral membrane protein family. Three mammalian isoforms in family 8 have been identified. Na⁺/Ca²⁺ exchange proteins are involved in maintaining Ca²⁺ homeostasis in a wide variety of cell types. The protein is regulated by intracellular calcium ions and is found in both the plasma membrane and intracellular organellar membranes, where exchange of Na⁺ for Ca²⁺ occurs in an electrogenic manner. Alternative splicing has been observed for this gene and multiple variants have been described. [provided by RefSeq]

Other Designations: Na(+)/Ca(2+)-exchange protein 3,Na⁺/Ca²⁺ exchanger 3,OTTHUMP00000179116,sodium-calcium exchanger form 3,sodium/calcium exchanger SLC8A3,solute carrier family 8 (sodium-calcium exchanger), member 3

Gene Pathway

[Calcium signaling pathway](#)

Related Disease

[Tobacco Use Disorder](#)

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