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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SLC6A3 Pre-design Chimera RNAi

Catalog # : H00006531-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens solute carrier family 6 (neurotransmitter transporter, dopamine), member 3 (SLC6A3), mRNA.

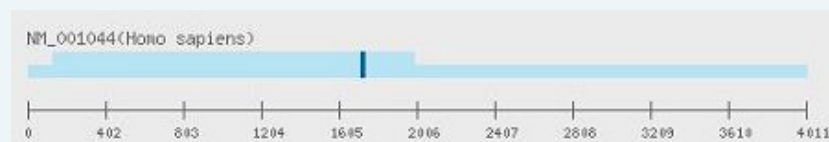
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001044

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: [6531](#)

Gene Name: SLC6A3

Gene Alias: DAT, DAT1

Gene Description: solute carrier family 6 (neurotransmitter transporter, dopamine), member 3

Omim ID: [126455](#), [143465](#), [188890](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The dopamine transporter (DAT1) mediates the active reuptake of dopamine from the synapse and is a principal regulator of dopaminergic neurotransmission. The DAT1 gene has been implicated in human disorders such as parkinsonism, Tourette syndrome, and substance abuse (Vandenbergh et al., 1992 [PubMed 1359373]).[supplied by OMIM]

Other Designations: dopamine transporter,variable number tandem repeat (VNTR)

Gene Pathway

[Parkinson's disease](#)

Related Disease

[Acute Disease](#) [Alcohol Withdrawal Delirium](#) [Alcohol Withdrawal Seizures](#) [Alcoholism](#) [Alcohol-Related Disorders](#) [Alzheimer Disease](#) [Alzheimer disease](#) [Amphetamine-Related Disorders](#) [Anorexia Nervosa](#) [Antisocial Personality Disorder](#) [Anxiety Disorders](#) [Appetite Arousal](#) [Association Learning](#) [Atrophy](#) [Attention Deficit and Disruptive Behavior Disorders](#) [Attention Deficit Disorder with Hyperactivity](#) [Auditory Perception](#)

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