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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DRD3 Pre-design Chimera RNAi

Catalog # : H00001814-R07

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens dopamine receptor D3 (DRD3), transcript variant b, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_033658

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: [1814](#)

Gene Name: DRD3

Gene Alias: D3DR,ETM1,FET1,MGC149204,MGC149205

Gene Description: dopamine receptor D3

Omim ID: [126451](#), [181500](#), [190300](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes the D3 subtype of the five (D1-D5) dopamine receptors. The activity of the D3 subtype receptor is mediated by G proteins which inhibit adenylyl cyclase. This receptor is localized to the limbic areas of the brain, which are associated with cognitive, emotional, and endocrine functions. Genetic variation in this gene may be associated with susceptibility to hereditary essential tremor 1. Alternative splicing of this gene results in transcript variants encoding different isoforms, although some variants may be subject to nonsense-mediated decay (NMD). [provided by RefSeq]

Other Designations: essential tremor 1

Gene Pathway

[Neuroactive ligand-receptor interaction](#)

Related Disease

[Adolescent Psychology](#) [Akathisia](#) [Drug-Induced](#) [Alcohol Withdrawal Seizures](#) [Alcoholism](#) [Alcohol-Related Disorders](#) [Alzheimer Disease](#) [Alzheimer disease](#) [Amnesia](#) [Anorexia Nervosa](#) [Anovulation](#) [Antisocial Personality Disorder](#) [Attention](#) [Attention Deficit Disorder with Hyperactivity](#) [Autistic Disorder](#) [Basal Ganglia Diseases](#) [Bipolar Disorder](#) [Breast Neoplasms](#) [Brief Psychiatric Rating Scale](#) [Bulimia](#)

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