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NTRK2 Pre-design Chimera RNAi

Catalog # : H00004915-R17

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2), transcript variant c, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001018064

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: [4915](#)

Gene Name: NTRK2

Gene Alias: GP145-TrkB,TRKB

Gene Description: neurotrophic tyrosine kinase, receptor, type 2

Omim ID: [600456](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternate transcriptional splice variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations: BDNF/NT-3 growth factors receptor, OTTHUMP00000021573, OTTHUMP00000021574, OTTHUMP00000021575, OTTHUMP00000021576, OTTHUMP00000021577, tyrosine kinase receptor B

Gene Pathway

[MAPK signaling pathway](#) [Neurotrophin signaling pathway](#)

Related Disease

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