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- Mindermengenzuschlag
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- Expressversand

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HADH2 Pre-design Chimera RNAi

Catalog # : H00003028-R02

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens hydroxysteroid (17-beta) dehydrogenase 10 (HSD17B10), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001037811

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: [3028](#)

Gene Name: HSD17B10

Gene Alias: 17b-

HSD10,ABAD,CAMR,DUPXp11.22,ERAB,HADH2,HCD2,MHBD,MRPP2,MRX17,MRX31,MRXS10,SCHAD,SDR5C1

Gene Description: hydroxysteroid (17-beta) dehydrogenase 10

Omim ID: [300256](#), [300438](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes 3-hydroxyacyl-CoA dehydrogenase type II, a member of the short-chain dehydrogenase/reductase superfamily. The gene product is a mitochondrial protein that catalyzes the oxidation of a wide variety of fatty acids, alcohols, and steroids. The protein has been implicated in the development of Alzheimer's disease, and mutations in the gene are the cause of 2-methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency (MHBD). Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq]

Other Designations: 17-beta-hydroxysteroid dehydrogenase type 10,3-hydroxy-2-methylbutyryl-CoA dehydrogenase,AB-binding alcohol dehydrogenase,OTTHUMP00000023348,OTTHUMP00000023349,amyloid-beta binding polypeptide,amyloid-beta peptide binding alcohol dehydrogenase,mental ret

Gene Pathway

[Alzheimer's disease](#) [Metabolic pathways](#) [Valine, leucine and isoleucine degradation](#)

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