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HADHSC Pre-design Chimera RNAi

Catalog # : H00003033-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain (HADHSC), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_005327

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: 3033

Gene Name: HADH

Gene Alias: HAD,HADH1,HADHSC,HHF4,M/SCHAD,MGC8392,SCHAD

Gene hydroxyacyl-Coenzyme A dehydrogenase

Description:

Omim ID: [231530](#), [601609](#), [609975](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene is a member of the 3-hydroxyacyl-CoA dehydrogenase gene family. The encoded protein functions in the mitochondrial matrix to catalyze the oxidation of straight-chain 3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. Its enzymatic activity is highest with medium-chain-length fatty acids. Mutations in this gene cause one form of familial hyperinsulinemic hypoglycemia. The human genome contains a related pseudogene. [provided by RefSeq]

Other Designations: L-3-hydroxyacyl-Coenzyme A dehydrogenase, L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain

Gene Pathway

[Butanoate metabolism](#) [Caprolactam degradation](#) [Fatty acid elongation in mitochondria](#) [Fatty acid metabolism](#) [Geraniol degradation](#) [Lysine degradation](#) [Metabolic pathways](#) [Tryptophan metabolism](#) [Valine, leucine and isoleucine degradation](#)

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