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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PAH Pre-design Chimera RNAi

Catalog # : H00005053-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens phenylalanine hydroxylase (PAH), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000277

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: [5053](#)

Gene Name: PAH

Gene Alias: PH,PKU,PKU1

Gene phenylalanine hydroxylase

Description:

Omim ID: [261600](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: PAH encodes the enzyme phenylalanine hydroxylase that is the rate-limiting step in phenylalanine catabolism. Deficiency of this enzyme activity results in the autosomal recessive disorder phenylketonuria. [provided by RefSeq]

Other Designations: -

Gene Pathway

[Metabolic pathways](#) [Phenylalanine, tyrosine and tryptophan biosynthesis](#)

Related Disease

[Anorexia Nervosa](#) [Autistic Disorder](#) [Bulimia](#) [Cognition](#) [Dyskinesia, Drug-Induced](#) [Galactosemias](#) [Genetic Predisposition to Disease](#) [Hallucinations](#) [Male Urogenital Diseases](#) [Mental Disorders](#) [Phenylketonuria](#) [Phenylketonuria, Maternal](#) [Phenylketonurias](#) [Prostate cancer](#) [Prostatic Neoplasms](#) [Psychotic Disorders](#) [Schizophrenia](#) [Schizophrenia](#)

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