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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SERPINE1 Pre-design Chimera RNAi

Catalog # : H00005054-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 (SERPINE1), mRNA.

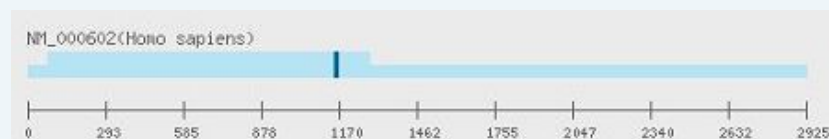
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000602

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: 5054

Gene Name: SERPINE1

Gene Alias: PAI,PAI-1,PAI1,PLANH1

Gene Description: serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1

Omim ID: [173360](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This member is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and hence is an inhibitor of fibrinolysis. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations: plasminogen activator inhibitor, type I, plasminogen activator inhibitor-1, serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1

Gene Pathway

[Complement and coagulation cascades](#) [p53 signaling pathway](#)

Related Disease

[Abortion, Habitual](#) [Abortion, Spontaneous](#) [Activated Protein C Resistance](#) [Acute Disease](#) [Acute Lung Injury](#) [Acute-Phase Reaction](#) [Adenocarcinoma](#) [Adenomatous Polyposis Coli](#) [Albuminuria](#) [alpha 1-Antitrypsin Deficiency](#) [Alpha-1-antitrypsin deficiency](#) [Alveolar Bone Loss](#) [Alzheimer Disease](#) [Alzheimer disease](#) [Amyloidosis](#) [Amyotrophic Lateral Sclerosis](#) [Amyotrophic lateral sclerosis](#) [Anemia, Sickle Cell](#) [Anemia, sickle cell](#)

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