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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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F7 Pre-design Chimera RNAi

Catalog # : H00002155-R02

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens coagulation factor VII (serum prothrombin conversion accelerator) (F7), transcript variant 2, mRNA.

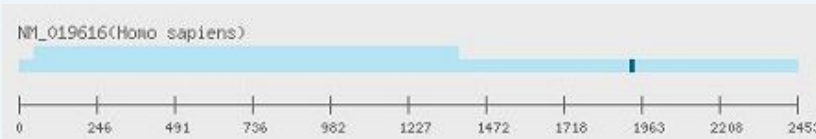
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_019616

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: [2155](#)

Gene Name: F7

Gene Alias: -

Gene Description: coagulation factor VII (serum prothrombin conversion accelerator)

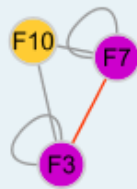
Omim ID: [227500](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes coagulation factor VII which is a vitamin K-dependent factor essential for hemostasis. This factor circulates in the blood in a zymogen form, and is converted to an active form by either factor IXa, factor Xa, factor XIIa, or thrombin by minor proteolysis. Upon activation of the factor VII, a heavy chain containing a catalytic domain and a light chain containing 2 EGF-like domains are generated, and two chains are held together by a disulfide bond. In the presence of factor III and calcium ions, the activated factor then further activates the coagulation cascade by converting factor IX to factor IXa and/or factor X to factor Xa. Alternative splicing of this gene results in 2 transcripts. Defects in this gene can cause coagulopathy. [provided by RefSeq]

Other Designations: FVII coagulation protein, OTTHUMP00000018733, OTTHUMP00000018734, coagulation factor VII, eptacog alfa

Interactome



Gene Pathway

[Complement and coagulation cascades](#)

Related Disease

[Abortion, Habitual](#) [Activated Protein C Resistance](#) [Acute Disease](#) [Alzheimer Disease](#) [Alzheimer disease](#) [Amyotrophic Lateral Sclerosis](#) [Amyotrophic lateral sclerosis](#) [Anemia, Sickle Cell](#) [Anemia, sickle cell](#) [Angina Pectoris](#) [Angina, Unstable](#) [Arterial Occlusive Diseases](#) [Arteriosclerosis](#) [Atherosclerosis](#) [Atherosclerosis](#) [Atrial Fibrillation](#) [Birth Weight](#) [Blood Coagulation Disorders](#) [Body Weight](#)

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