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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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F13A1 Pre-design Chimera RNAi

Catalog # : H00002162-R01 **規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens coagulation factor XIII, A1 polypeptide (F13A1), mRNA.

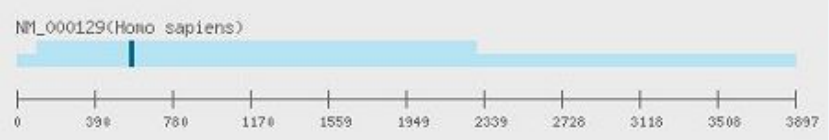
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000129

Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Publication Reference

1. 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.
2. 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.
3. 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.
4. 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: 2162

Gene Name: F13A1

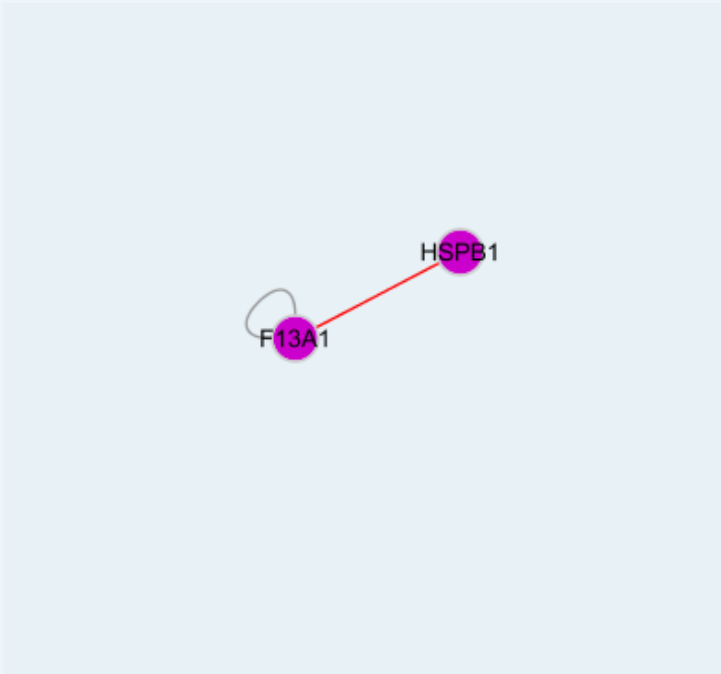
Gene Alias: F13A

Application Image

RNAi Knockdown

Gene Description:	coagulation factor XIII, A1 polypeptide
Omim ID:	134570
Gene Ontology:	Hyperlink
Gene Summary:	This gene encodes the coagulation factor XIII A subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function, and the B subunits do not have enzymatic activity and may serve as plasma carrier molecules. Platelet factor XIII is comprised only of 2 A subunits, which are identical to those of plasma origin. Upon cleavage of the activation peptide by thrombin and in the presence of calcium ion, the plasma factor XIII dissociates its B subunits and yields the same active enzyme, factor XIIIa, as platelet factor XIII. This enzyme acts as a transglutaminase to catalyze the formation of gamma-glutamyl-epsilon-lysine crosslinking between fibrin molecules, thus stabilizing the fibrin clot. It also crosslinks alpha-2-plasmin inhibitor, or fibronectin, to the alpha chains of fibrin. Factor XIII deficiency is classified into two categories: type I deficiency, characterized by the lack of both the A and B subunits; and type II deficiency, characterized by the lack of the A subunit alone. These defects can result in a lifelong bleeding tendency, defective wound healing, and habitual abortion. [provided by RefSeq
Other Designations:	FSF, A subunit,TGase,bA525O21.1 (coagulation factor XIII, A1 polypeptide),coagulation factor XIII A1 subunit,coagulation factor XIII, A polypeptide,factor XIIIa,fibrin stabilizing factor, A subunit,fibrinoligase,protein-glutamine gamma-glutamyltransferase

Interactome



Gene Pathway

Complement and coagulation cascades

Related Disease

Abortion, Habitual Abortion, Spontaneous Activated Protein C Resistance Acute Disease Alzheimer Disease Alzheimer disease Anemia, Sickle Cell Anemia, sickle cell Aneurysm, Ruptured Angina Pectoris Antiphospholipid Syndrome Arterial Occlusive Diseases Arteriosclerosis Arthritis, Rheumatoid Atherosclerosis Atherosclerosis Atrial Fibrillation beta-Thalassemia Blood Coagulation Disorders, Inherited

... see more