

# 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

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic in





### **BRCA1 Pre-design Chimera RNAi**

Catalog #: H00000672-R03 規格:[10 nmol][20 nmol]

#### List All

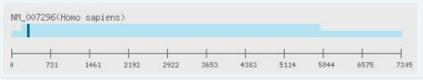
### **Specification Application Image** Homo sapiens breast cancer 1, early onset (BRCA1), transcript variant **Product** BRCA1a', mRNA. **Description:** Reactivity: Human Supplied **DEPC** water **Product:** Target Refseq: NM\_007296 Target Region: Coding sequence Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure Storage

Position of the Chimera RNAi. Note:

product integrity.

The related RNAi products listed below were designed from different

accesion number but sharing the same RNAi sequence.



#### **Publication Reference**

Instruction:

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

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 GenelD: 672

Page 1 of 2 2016/5/20

RNAi Knockdown

Gene Name: BRCA1

Gene Alias: BRCAI, BRCC1, IRIS, PSCP, RNF53

Gene

breast cancer 1, early onset

Description:

Omim ID: <u>113705</u>

Gene Ontology: Hyperlink

Gene Summary: This gene encodes a nuclear phosphoprotein that plays a role in maintaining genomic stability, and it also acts as a tumor suppressor. The encoded protein combines with other tumor suppressors, DNA damage sensors, and signal transducers to form a large multi-subunit protein complex known as the BRCA1-associated genome surveillance complex (BASC). This gene product associates with RNA polymerase II, and through the C-terminal domain, also interacts with histone deacetylase complexes. This protein thus plays a role in transcription, DNA repair of double-stranded breaks, and recombination. Mutations in this gene are responsible for approximately 40% of inherited breast cancers and more than 80% of inherited breast and ovarian cancers. Alternative splicing plays a role in modulating the subcellular localization and physiological function of this gene. Many alternatively spliced transcript variants, some of which are disease-associated mutations, have been described for this gene, but the full-length natures of only some of these variants has been described. A related pseudogene, which is also located on chromosome 17, has been identified. [provided by RefSeq

Other

BRCA1/BRCA2-containing complex, subunit 1, breast and ovarian

Designations:

cancer susceptibility protein 1

#### **Gene Pathway**

Ubiquitin mediated proteolysis

#### **Related Disease**

Abdominal Neoplasms Abortion, Habitual Abortion, Spontaneous Adenocarcinoma Adenocarcinoma, Clear Cell Adenocarcinoma, Mucinous Adenoma, Pleomorphic Anticipation, Genetic Anxiety Disorders Ataxia Telangiectasia Ataxia telangiectasia <u>Awareness Bloom Syndrome Body Image Body Weight Brain Neoplasms Breast cancer</u> Breast Neoplasms Breast Neoplasms, Male

... see more

服務條款 | 隱私權政策 | 著作及商標 | 網站地圖

©2016 亞諾法生技股份有限公司 Abnova Corporation. 版權所有.

Page 2 of 2 2016/5/20