


C. デザイン済みshRNA発現レンチウイルスベクター

2-C-1)ヒト・マウス・ラット用のデザイン済みshRNA発現レンチウイルスベクターを検索いただくには、ページ上部にあるウィンドウ(赤実線枠)に、以下の項目のいずれか一つを入力し、検索ボタン()をクリックしてください。

Ref Seq Accession (例: NM_007299)

Gene ID (例: 672)

Gene Symbol (例: BRCA1)

Catalog No. (例: SK-003461-00)



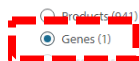
NM_007299



下の画面は「NM_007299」と入力して検索し、Categoryで「Genes」(赤点線枠)を選択した結果が表示された状態です(抜粋)。shRNAのリンク(青点線枠)から各製品リストのページに移動してください。

Category

Show: 10



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Species +

Product Category +

FEATURED ITEM

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More Info

BRCA1 | Human

Gene Id 672

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...

Species:

Homo sapiens

Products:

Cell Line Models
cDNA / ORF
crRNA / sgRNA



Alias:

BRCA1, BRCC1, BROVCA1,
FANCS, IRIS, PNCA4,
PPP1R53, PSCP, RNF53

◆デザイン済みshRNA発現レンチウイルスベクターの比較

	SMARTvector Lentiviral shRNA	SMARTvector Inducible Lentiviral shRNA	GIPZ Lentiviral shRNA	TRIPZ Inducible Lentiviral shRNA	TRC Lentiviral shRNA
生物種	Human/Mouse/Rat	Human/Mouse/Rat	Human/Mouse	Human	Human/Mouse
shRNAの種類	microRNAベース*1				シンプルヘアピン型
プロモーター	7種類から選択	4種類から選択	Human CMV Pol II	TRE min-CMV	U6 Pol III
蛍光レポーター	TurboGFP/TurboRFP/無し	TurboGFP/TurboRFP	TurboGFP	TurboRFP	-
shRNA発現の誘導性	-	●	-	●	-
製品形態	高力価ウイルス粒子*2 大腸菌グリセロールストック*3	高力価ウイルス粒子*2 大腸菌グリセロールストック*3	高力価ウイルス粒子*2 大腸菌グリセロールストック*3 Starter Kit*4	大腸菌グリセロールストック*3 Starter Kit*4	大腸菌グリセロールストック*3

*1 microRNAベースのshRNAは、Drosha/Dicerによるプロセッシングを正確に受けるため特異的な遺伝子発現抑制が可能です。また、シンプルヘアピン型のshRNAに比べて細胞毒性が低いことが示唆されています。

*2 高力価 レンチウイルス粒子として提供されます。

*3 レンチウイルスベクターを形質転換した大腸菌の培養液にグリセロールを加えたもので、チューブあるいは96ウェルマイクロタイタープレートで提供されます。

*4 shRNA発現用レンチウイルスベクターを用いた遺伝子発現抑制実験に必要な試薬をパッケージにしたキットです。

2-C-2) 下の画面はヒトBRCA1遺伝子に対するshRNAを検索した結果が表示された状態です。「Go to Product Page」(青点線枠)をクリックすると、詳細な製品リストが表示されます。デザイン済みshRNA発現レンチウイルスベクターの比較は9ページをご参照ください。

注) SMARTvector Lentiviral shRNAの購入に際しては SMARTchoice Promoter Selection Plate(製品コード SP-001000-01)を、SMARTvector Inducible Lentiviral shRNA の購入に際してはSMARTchoice Inducible Non-targeting Control 4-Pack(製品コード VSC6847)用いて、使用する細胞に最適なプロモーターを事前に検討・選択することをおすすめします。

BRCA1 (HUMAN)

BRCA1, DNA repair associated

Alias

BRCA1|BRCC1|BROVCA1|FANCS|IRIS|PNCA4|PPP1R53|PSCP|RNFS3

ENTREZGENE 672

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 nature 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, May 2009].

Product Category

- ☐ Cell Line Models
- ☐ cDNA / ORF
- ☐ crRNA / sgRNA
- ☒ shRNA
- ☐ siRNA

GIPZ Lentiviral Human BRCA1 shRNA

Perform specific and efficient, transient or long-term RNAi with GIPZ Lentiviral shRNA. GIPZ Lentiviral shRNA targets human and mouse genes using multiple shRNA constructs that have been cloned into the pGIPZ lentiviral vector.

[Go to Product Page](#)

TRC Lentiviral Human BRCA1 shRNA

The RNAi Consortium, or TRC, is a public-private effort based at the Broad whose mission is to create a shRNA library to enable the scientific community to use RNAi to determine the function of human and mouse genes.

[Go to Product Page](#)

TRIPZ Inducible Lentiviral Human BRCA1 shRNA

Study the function of essential genes, validate cellular phenotypes and generate inducible knockdown cell lines with TRIPZ Inducible Lentiviral shRNA.

[Go to Product Page](#)

SMARTvector Inducible Human BRCA1 shRNA

Guaranteed gene silencing with state-of-the-art shRNA designs and multiple promoter and reporter options.

[Go to Product Page](#)

SMARTvector Lentiviral Human BRCA1 shRNA

Guaranteed gene silencing with state-of-the-art shRNA designs and multiple promoter and reporter options.

[Go to Product Page](#)

2-C-3)下の画面はSMARTvector Lentiviral Human BRCA1 shRNAを検索した結果が表示された状態です。赤実線枠の項目を選択&クリックすることで、製品フォーマット、レポーター遺伝子、プロモーター、容量、shRNAのターゲット領域、アイテムを選択できます。「Add to Cart」ボタン(青点線枠)をクリックすると製品がショッピングカートに入ります。

BRCA1 (HUMAN)

BRCA1, DNA repair associated

Alias

BRCA1|BRCC1|BROVCA1|FANCS|IRIS|PNCA4|PPP1R53|PSCP|RNFS3

ENTREZGENE 672

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, May 2009].

Details Targets Sequence

Clone Id: V3SVH500_4743961

Select Product for: SMARTvector Lentiviral Human BRCA1 shRNA

1. Contents

Individual

Set of 3 SMARTvector Human Lentiviral shRNA

2. Reporter

TurboGFP

TurboRFP

None

3. Promoter

hEF1a

hCMV

mCMV

mEF1a

4. Size

100 μ L, 2x10⁹ TU/mL

200 μ L, 10⁸ TU/mL

100 μ L, 10⁸ TU/mL

glycerol stock

5. Targeted Region

ALL

3'UTR

Non-Coding

ORF

6. Select one item

☒ V3SH7590-224806310

Clone Id: V3SVH500_4743961
(ORF,Non-Coding)

☐ V3SH7590-224873200

Clone Id: V3SVH500_4810852
(Non-Coding,3'UTR)

☐ V3SH7590-225055397

Clone Id: V3SVH500_4993045
(3'UTR,Non-Coding)

☐ V3SH7590-225252704

Clone Id: V3SVH500_5190352
(3'UTR,Non-Coding)

☐ V3SH7590-226826834

Clone Id: V3SVH500_6764485
(3'UTR,Non-Coding)

☐ V3SH7590-227394602

Clone Id: V3SVH500_7332250
(3'UTR,Non-Coding)

☐ V3SH7590-228571247

Clone Id: V3SVH500_8508898
(3'UTR,Non-Coding)

☐ V3SH7590-228716381

Clone Id: V3SVH500_8654032
(Non-Coding,3'UTR)

☐ V3SH7590-229233461

Clone Id: V3SVH500_9171109
(Non-Coding,3'UTR)

☐ V3SH7590-230686879

Clone Id: V3SVH500_10624528
(ORF,Non-Coding)

¥215,000

Catalog ID: V3SH7590-224806310

- 1 +

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