



# SZABO SCANDIC

Part of Europa Biosite

## 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

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## BRAF Pre-design Chimera RNAi

Catalog # : H00000673-R03

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens v-raf murine sarcoma viral oncogene homolog B1 (BRAF), mRNA.

**Reactivity:** Human

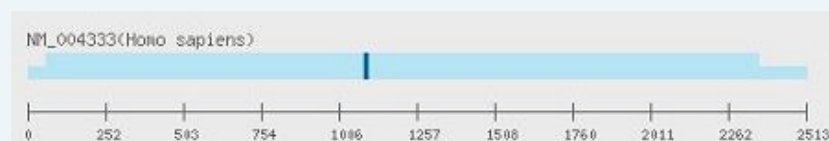
**Supplied Product:** DEPC water

**Target Refseq:** NM\_004333

**Target Region:** Coding sequence

**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:** [673](#)

**Gene Name:** BRAF

**Gene Alias:** B-RAF1,BRAF1,FLJ95109,MGC126806,MGC138284,RAFB1

**Gene Description:** v-raf murine sarcoma viral oncogene homolog B1

**Omim ID:** [115150](#), [164757](#), [211980](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in this gene have also been associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X, has been identified for this gene. [provided by RefSeq]

**Other Designations:** 94 kDa B-raf protein,B-Raf proto-oncogene serine/threonine-protein kinase (p94),Murine sarcoma viral (v-raf) oncogene homolog B1

### Gene Pathway

[Acute myeloid leukemia](#) [Bladder cancer](#) [Chemokine signaling pathway](#)  
[Chronic myeloid leukemia](#) [Colorectal cancer](#) [Endometrial cancer](#) [ErbB signaling pathway](#)  
[Focal adhesion](#) [Glioma](#) [Insulin signaling pathway](#) [Long-term depression](#)  
[Long-term potentiation](#) [MAPK signaling pathway](#) [Melanoma](#) [mTOR signaling pathway](#)  
[Natural killer cell mediated cytotoxicity](#) [Neurotrophin signaling pathway](#)  
[Non-small cell lung cancer](#) [Pancreatic cancer](#) [Pathways in cancer](#) [Prostate cancer](#)  
[Regulation of actin cytoskeleton](#) [Renal cell carcinoma](#) [Thyroid cancer](#)  
[Vascular smooth muscle contraction](#)

### Related Disease

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[Breast cancer](#) [Breast Neoplasms](#) [Carcinoma](#) [Carcinoma, Basal Cell](#) [Carcinoma, Medullary](#)  
[Carcinoma, Non-Small-Cell Lung](#) [Carcinoma, Papillary](#)

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