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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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BCR Pre-design Chimera RNAi

Catalog # : H00000613-R04 **規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description:	Homo sapiens breakpoint cluster region (BCR), transcript variant 2, mRNA.
Reactivity:	Human
Supplied Product:	DEPC water
Target Refseq:	NM_021574
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. The related RNAi products listed below were designed from different accesion number but sharing the same RNAi sequence.

Application Image

RNAi Knockdown

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

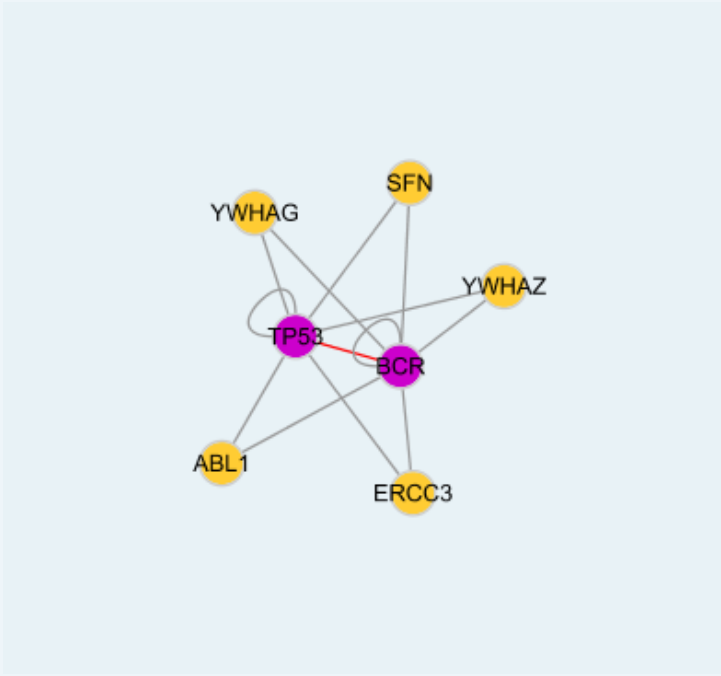
RNAi Knockdown

Gene Information

Entrez GeneID: 613

Gene Name:	BCR
Gene Alias:	ALL,BCR-ABL1,BCR1,CML,D22S11,D22S662,FLJ16453,PHL
Gene Description:	breakpoint cluster region
Omim ID:	151410, 608232
Gene Ontology:	Hyperlink
Gene Summary:	A reciprocal translocation between chromosomes 22 and 9 produces the Philadelphia chromosome, which is often found in patients with chronic myelogenous leukemia. The chromosome 22 breakpoint for this translocation is located within the BCR gene. The translocation produces a fusion protein which is encoded by sequence from both BCR and ABL, the gene at the chromosome 9 breakpoint. Although the BCR-ABL fusion protein has been extensively studied, the function of the normal BCR gene product is not clear. The protein has serine/threonine kinase activity and is a GTPase-activating protein for p21rac. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations:	bcr-abl1 e14a3 chimeric protein

Interactome



Gene Pathway

Chronic myeloid leukemia Pathways in cancer

Related Disease

Alzheimer Disease Alzheimer disease Angina Pectoris, Variant Bipolar Disorder Brief Psychiatric Rating Scale Chromosome Breakage Coronary Vasospasm Depressive Disorder, Major Genetic Predisposition to Disease Leukemia, chronic myeloid Leukemia, Myelocytic, Acute Leukemia, Myelogenous, Chronic, BCR-ABL Positive Leukemia, Myeloid, Chronic Lung Neoplasms Pulmonary Disease, Chronic Obstructive Small Cell Lung Carcinoma Tobacco Use Disorder Urinary Bladder Neoplasms Werner syndrome