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Produktinformation



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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-R03

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens breakpoint cluster region (BCR), transcript variant 1, mRNA.

Reactivity: Human

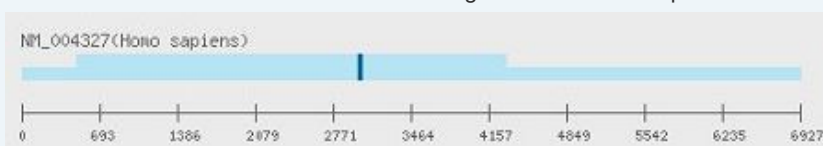
Supplied Product: DEPC water

Target Refseq: NM_004327

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 accession number but sharing the same RNAi sequence.



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: [613](#)

Gene Name: BCR

Gene Alias: ALL,BCR-ABL1,BCR1,CML,D22S11,D22S662,FLJ16453,PHL

Gene Description: breakpoint cluster region

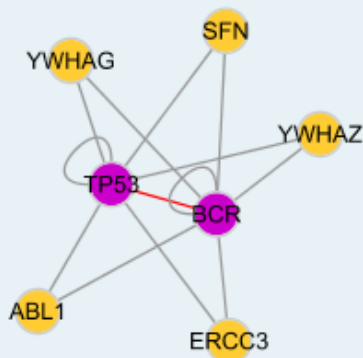
Omim ID: [151410](#), [608232](#)

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](#)

