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- Expressversand

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NRAS Pre-design Chimera RNAi

Catalog # : H00004893-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens neuroblastoma RAS viral (v-ras) oncogene homolog (NRAS), mRNA.

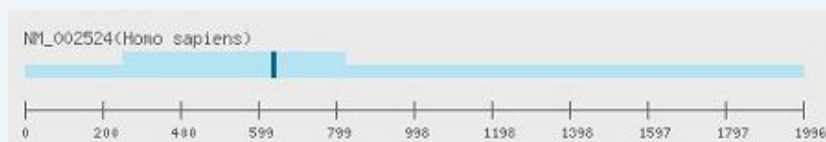
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_002524

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: 4893

Gene Name: NRAS

Gene Alias: ALPS4,N-ras,NRAS1

Gene neuroblastoma RAS viral (v-ras) oncogene homolog

Description:

Omim ID: [114500](#), [164790](#), [188470](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This is an N-ras oncogene encoding a membrane protein that shuttles between the Golgi apparatus and the plasma membrane. This shuttling is regulated through palmitoylation and depalmitoylation by the ZDHHC9-GOLGA7 complex. The encoded protein, which has intrinsic GTPase activity, is activated to a GTP-bound form by a GTPase activating protein and inactivated to a GDP-bound form by a guanine nucleotide-exchange factor. Defects in this gene are a cause of juvenile myelomonocytic leukemia (JMML). [provided by RefSeq]

Other Designations: N-ras protein part 4, OTTHUMP00000013879, v-ras neuroblastoma RAS viral oncogene homolog

Gene Pathway

[Acute myeloid leukemia](#) [Axon guidance](#) [B cell receptor signaling pathway](#) [Bladder cancer](#) [Chemokine signaling pathway](#) [Chronic myeloid leukemia](#) [Endometrial cancer](#) [ErbB signaling pathway](#) [Fc epsilon RI signaling pathway](#) [Gap junction](#) [Glioma](#) [GnRH signaling pathway](#) [Insulin signaling pathway](#) [Long-term depression](#) [Long-term potentiation](#) [MAPK signaling pathway](#) [Melanogenesis](#) [Melanoma](#) [Natural killer cell mediated cytotoxicity](#) [Neurotrophin signaling pathway](#) [Non-small cell lung cancer](#) [Pathways in cancer](#) [Prostate cancer](#) [Regulation of actin cytoskeleton](#) [Renal cell carcinoma](#) [T cell receptor signaling pathway](#) [Thyroid cancer](#) [Tight junction](#) [VEGF signaling pathway](#)

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