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GUCY1A3 Pre-design Chimera RNAi

Catalog # : H00002982-R02

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens guanylate cyclase 1, soluble, alpha 3 (GUCY1A3), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000856

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: [2982](#)

Gene Name: GUCY1A3

Gene Alias: GC-SA3,GUC1A3,GUCA3,GUCSA3,GUCY1A1

Gene guanylate cyclase 1, soluble, alpha 3

Description:

Omim ID: [139396](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Soluble guanylate cyclase (sGC), a heterodimeric protein consisting of an alpha subunit, such as alpha-1 (GUCY1A3), and a beta subunit, typically beta-1 (GUCY1B3; MIM 139397), catalyzes conversion of GTP to the second messenger cGMP and functions as the main receptor for nitric oxide and nitrovasodilator drugs (Zabel et al., 1998 [PubMed 9742212]).[supplied by OMIM]

Other GC-S-alpha-1,soluble guanylate cyclase large subunit

Designations:

Gene Pathway

[Gap junction](#) [Long-term depression](#) [Purine metabolism](#)

[Vascular smooth muscle contraction](#)

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