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GUCY2F Pre-design Chimera RNAi

Catalog # : H00002986-R04

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens guanylate cyclase 2F, retinal (GUCY2F), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001522

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: [2986](#)

Gene Name: GUCY2F

Gene Alias: CYGF,GC-F,GUC2DL,GUC2F,RETGC-2,ROS-GC2

Gene Description: guanylate cyclase 2F, retinal

Omim ID: [300041](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a guanylyl cyclase found predominantly in photoreceptors in the retina. The encoded protein is thought to be involved in resynthesis of cGMP after light activation of the visual signal transduction cascade, allowing a return to the dark state. This protein is a single-pass type I membrane protein. Defects in this gene may be a cause of X-linked retinitis pigmentosa. [provided by RefSeq]

Other Designations: OTTHUMP00000023839,guanylate cyclase 2D-like, membrane (retina-specific),guanylate cyclase 2F

Gene Pathway

[Purine metabolism](#)

Related Disease

[Genetic Predisposition to Disease](#) [Pancreatic cancer](#) [Pancreatic Neoplasms](#)

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