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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FGFR4 Pre-design Chimera RNAi

Catalog # : H00002264-R11

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens fibroblast growth factor receptor 4 (FGFR4), transcript variant 2, mRNA.

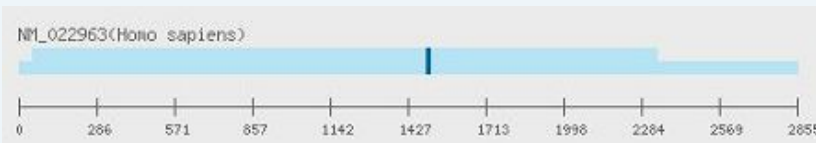
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_022963

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: [2264](#)

Gene Name: FGFR4

Gene Alias: CD334,JTK2,MGC20292,TKF

Gene Description: fibroblast growth factor receptor 4

Omim ID: [134935](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for members 1-3. This particular family member preferentially binds acidic fibroblast growth factor and, although its specific function is unknown, it is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis. [provided by RefSeq]

Other Designations: OTTHUMP00000161430,hydroxyaryl-protein kinase,protein-tyrosine kinase,tyrosine kinase related to fibroblast growth factor receptor,tyrosylprotein kinase

Gene Pathway

[Endocytosis](#) [MAPK signaling pathway](#) [Regulation of actin cytoskeleton](#)

Related Disease

[ACTH-Secreting Pituitary Adenoma](#) [Adenocarcinoma](#) [Bone Neoplasms](#) [Breast cancer](#) [Breast Neoplasms](#) [Bronchial Hyperreactivity](#) [Carcinoma, Basal Cell](#) [Carcinoma, Hepatocellular](#) [Carcinoma, Non-Small-Cell Lung](#) [Carcinoma, Small Cell](#) [Carcinoma, Squamous Cell](#) [Cleft Lip](#) [Cleft Palate](#) [Colon cancer](#) [Colorectal Neoplasms](#) [Disease Progression](#) [Esophageal Neoplasms](#) [Genetic Predisposition to Disease](#) [Head and Neck Neoplasms](#)

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