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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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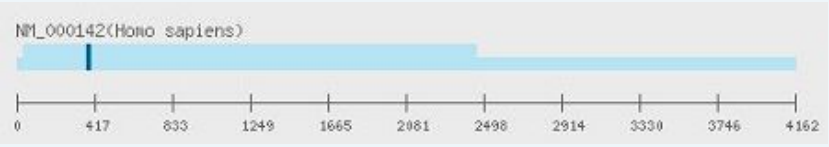
FGFR3 Pre-design Chimera RNAi

Catalog # : H00002261-R07 **規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description:	Homo sapiens fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism) (FGFR3), transcript variant 1, mRNA.
Reactivity:	Human
Supplied Product:	DEPC water
Target Refseq:	NM_000142
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 accesion number but sharing the same RNAi sequence.



Application Image

RNAi Knockdown

Publication Reference

1. 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.
2. 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.
3. 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.
4. 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: 2261

Gene Name:	FGFR3
Gene Alias:	ACH,CD333,CEK2,HSFGFR3EX,JTK4
Gene Description:	fibroblast growth factor receptor 3
Omim ID:	100800, 109800, 134934, 146000, 149730, 162900, 187600, 602849, 603956, 610474
Gene Ontology:	Hyperlink
Gene Summary:	This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. 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. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. Three alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq
Other Designations:	OTTHUMP00000149959,achondroplasia, thanatophoric dwarfism,hydroxyaryl-protein kinase,tyrosine kinase JTK4

Gene Pathway

Bladder cancer Endocytosis MAPK signaling pathway Pathways in cancer Regulation of actin cytoskeleton

Related Disease

Achondroplasia Achondroplasia Alzheimer Disease Alzheimer disease Carcinoma Carcinoma, Squamous Cell Carcinoma, Transitional Cell Cardiovascular Diseases Cheilitis Chromosome Aberrations Chromosome Deletion Cleft Lip Cleft Palate Colon cancer Colonic Neoplasms Craniosynostoses Diabetes Complications Disease Progression Genetic Diseases, Inborn

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