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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FCMD Pre-design Chimera RNAi

Catalog # : H00002218-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens fukutin (FKTN), transcript variant 1, mRNA

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001079802

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: [2218](#)

Gene Name: FKTN

Gene Alias: CMD1X,FCMD,LGMD2M,MGC126857,MGC134944,MGC134945,MGC138243

Gene fukutin

Description:

Omim ID: [236670](#), [253800](#), [607440](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a putative transmembrane protein that is localized to the cis-Golgi compartment, where it may be involved in the glycosylation of alpha-dystroglycan in skeletal muscle. The encoded protein is thought to be a glycosyltransferase and could play a role in brain development. Defects in this gene are a cause of Fukuyama-type congenital muscular dystrophy (FCMD), Walker-Warburg syndrome (WWS), limb-girdle muscular dystrophy type 2M (LGMD2M), and dilated cardiomyopathy type 1X (CMD1X). Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations: Fukuyama type congenital muscular dystrophy protein, OTTHUMP00000021841

Related Disease

[Cardiomyopathy](#), [Dilated Cardiomyopathy](#), [Hypertrophic Muscular Dystrophies](#), [Muscular Dystrophies](#), [Limb-Girdle Muscular Dystrophy](#), [Duchenne](#)

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