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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CAPN3 Pre-design Chimera RNAi

Catalog # : H00000825-R03

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens calpain 3, (p94) (CAPN3), transcript variant 3, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_173087

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 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: [825](#)

Gene Name: CAPN3

Gene Alias: CANP3,CANPL3,LGMD2,LGMD2A,MGC10767,MGC11121,MGC14344,
MGC4403,nCL-1,p94

Gene Description: calpain 3, (p94)

Omim ID: [114240](#), [253600](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Calpain, a heterodimer consisting of a large and a small subunit, is a major intracellular protease, although its function has not been well established. This gene encodes a muscle-specific member of the calpain large subunit family that specifically binds to titin. Mutations in this gene are associated with limb-girdle muscular dystrophies type 2A. Alternate promoters and alternative splicing result in multiple transcript variants encoding different isoforms and some variants are ubiquitously expressed. [provided by RefSeq]

Other Designations: OTTHUMP00000161194,OTTHUMP00000161196,calpain 3,calpain p94, large [catalytic] subunit,calpain, large polypeptide L3,muscle-specific calcium-activated neutral protease 3 large subunit

Related Disease

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[Muscular Dystrophies, Limb-Girdle](#)

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