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CAPN2 Pre-design Chimera RNAi

Catalog # : H00000824-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens calpain 2, (m//l) large subunit (CAPN2), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001748

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: 824

Gene Name: CAPN2

Gene Alias: CANP2,CANPL2,CANPml,FLJ39928,mCANP

Gene calpain 2, (mII) large subunit

Description:

Omim ID: [114230](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 2. Multiple heterogeneous transcriptional start sites in the 5' UTR have been reported. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations: M-calpain,OTTHUMP00000035497,calcium-activated neutral proteinase,calpain 2, large [catalytic] subunit,calpain 2, large subunit,calpain M-type,calpain, large polypeptide L2,millimolar-calpain

Gene Pathway

[Alzheimer's disease](#) [Apoptosis](#) [Focal adhesion](#)

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