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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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CAPNS1 Validated Chimera RNAi

Catalog # : H00000826-R01V

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens calpain, small subunit 1 (CAPNS1), transcript variant 2, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001003962

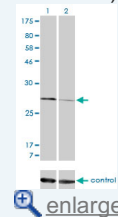
Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Application Image

RNAi Knockdown (Antibody validated)

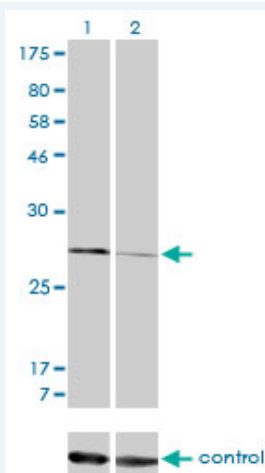


Publication Reference

- [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 (Antibody validated)



Western blot analysis of CAPNS1 over-expressed 293 cell line, cotransfected with CAPNS1 Validated Chimera RNAi (Cat # H00000826-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with CAPNS1 monoclonal antibody (M01), clone 3C4 (Cat # H00000826-M01). GAPDH (36.1 kDa) used as specificity and loading control.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [826](#)

Gene Name: CAPNS1

Gene Alias: 30K,CALPAIN4,CANP,CANPS,CAPN4,CDPS

Gene calpain, small subunit 1

Description:

Omim ID: [114170](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Calpains are a ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. Calpain families have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. Calpain I and II are heterodimeric with distinct large subunits associated with common small subunits, all of which are encoded by different genes. This gene encodes a small subunit common to both calpain I and II and is associated with myotonic dystrophy. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

Other Designations: calcium-activated neutral proteinase,calcium-dependent protease, small subunit,calpain 4, small subunit (30K),calpain, small polypeptide

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