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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CAMK2D Pre-design Chimera RNAi

Catalog # : H00000817-R08

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens calcium/calmodulin-dependent protein kinase (CaM kinase) II delta (CAMK2D), transcript variant 3, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001221

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: [817](#)

Gene Name: CAMK2D

Gene Alias: CAMKD,DKFZp686G23119,DKFZp686I2288,MGC44911

Gene Description: calcium/calmodulin-dependent protein kinase II delta

Omim ID: [607708](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns

Other Designations: CaM kinase II delta subunit,CaM-kinase II delta chain,CaMK-II delta subunit,OTTHUMP00000163829,OTTHUMP00000163830,calcium/calmodulin-dependent protein kinase (CaM kinase) II delta,calcium/calmodulin-dependent protein kinase type II delta chain

Gene Pathway

[Calcium signaling pathway](#) [ErbB signaling pathway](#) [Glioma](#) [GnRH signaling pathway](#) [Long-term potentiation](#) [Melanogenesis](#) [Neurotrophin signaling pathway](#) [Olfactory transduction](#) [Wnt signaling pathway](#)

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