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- Trockeneiszuschlag
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CASP10 Pre-design Chimera RNAi

Catalog # : H00000843-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant A, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001230

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: 843

Gene Name: CASP10

Gene Alias: ALPS2,FLICE2,MCH4

Gene caspase 10, apoptosis-related cysteine peptidase

Description:

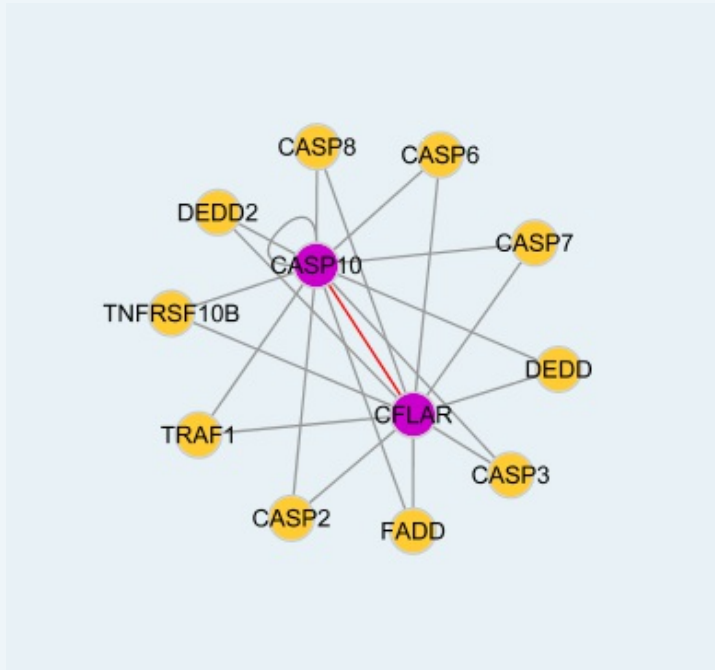
Omim ID: [137215](#), [601762](#), [603909](#), [605027](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with apoptosis defects seen in type II autoimmune lymphoproliferative syndrome. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations: FADD-like ICE2,Fas-associated death domain protein,ICE-like apoptotic protease 4,apoptotic protease MCH-4,caspase 10,caspase 10, apoptosis-related cysteine protease,interleukin-1B-converting enzyme 2

Interactome



Gene Pathway

[Apoptosis](#)

Related Disease

[Adenocarcinoma](#) [Asthma](#) [Asthma](#) [Breast cancer](#) [Breast Neoplasms](#)
[Bronchial Hyperreactivity](#) [Carcinoma, Large Cell](#) [Carcinoma, Non-Small-Cell Lung](#) [Clubfoot](#)
[Colorectal Neoplasms](#) [Disease Progression](#) [Esophageal Neoplasms](#)
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[Leukemia](#) [Leukemia, chronic myeloid](#) [Leukemia, Myelogenous, Chronic, BCR-ABL Positive](#)
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