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- Mindermengenzuschlag
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- Expressversand

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SNCA Pre-design Chimera RNAi

Catalog # : H00006622-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens synuclein, alpha (non A4 component of amyloid precursor) (SNCA), transcript variant NACP112, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_007308

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: [6622](#)

Gene Name: SNCA

Gene Alias: MGC110988,NACP,PARK1,PARK4,PD1

Gene synuclein, alpha (non A4 component of amyloid precursor)

Description:

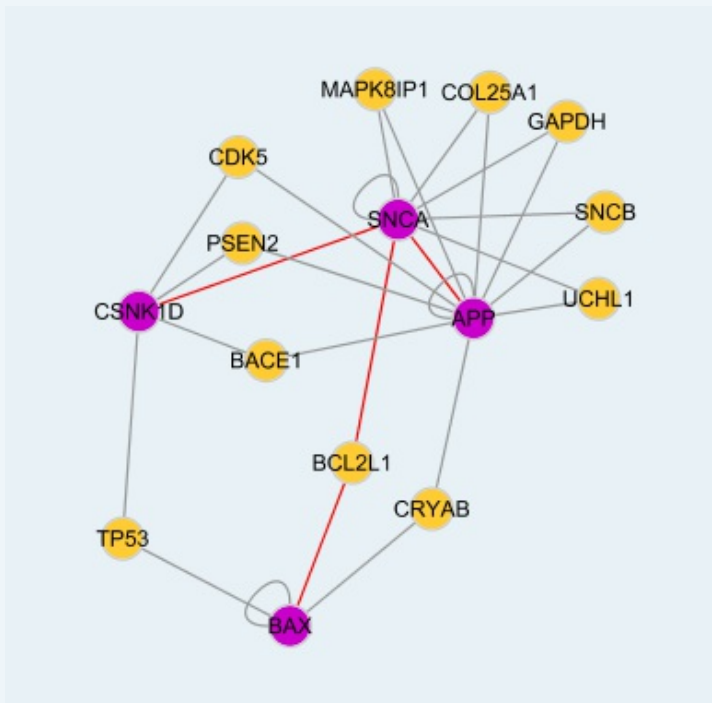
Omim ID: [127750](#), [163890](#), [168601](#), [605543](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Alpha-synuclein is a member of the synuclein family, which also includes beta- and gamma-synuclein. Synucleins are abundantly expressed in the brain and alpha- and beta-synuclein inhibit phospholipase D2 selectively. SNCA may serve to integrate presynaptic signaling and membrane trafficking. Defects in SNCA have been implicated in the pathogenesis of Parkinson disease. SNCA peptides are a major component of amyloid plaques in the brains of patients with Alzheimer's disease. Four alternatively spliced transcripts encoding two different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations: OTTHUMP00000161559,OTTHUMP00000161561,alpha synuclein,alpha-synuclein,alpha-synuclein, isoform NACP140,non A-beta component of AD amyloid,non A4 component of amyloid

Interactome



Gene Pathway

[Alzheimer's disease](#) [Parkinson's disease](#)

Related Disease

[Alcoholism](#) [Alzheimer Disease](#) [Alzheimer disease](#) [Amphetamine-Related Disorders](#) [Association Learning](#) [Attention](#) [Cardiovascular Diseases](#) [Chromosome Breakage](#) [Cognition Disorders](#) [Color Perception](#) [Cystic Fibrosis](#) [Cystic fibrosis](#) [Dementia](#) [Diabetes Complications](#) [Disease Progression](#) [Disease Susceptibility](#) [Essential Tremor](#) [Essential tremor](#) [Genetic Predisposition to Disease](#)

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