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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PARK2 Pre-design Chimera RNAi

Catalog # : H00005071-R03

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens Parkinson disease (autosomal recessive, juvenile) 2, parkin (PARK2), transcript variant 3, mRNA.

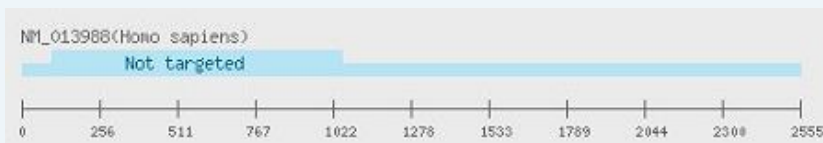
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_013988

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: [5071](#)

Gene Name: PARK2

Gene Alias: AR-JP,LPRS2,PDJ,PRKN

Gene Description: Parkinson disease (autosomal recessive, juvenile) 2, parkin

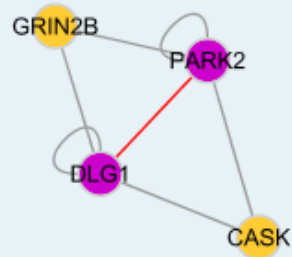
Omim ID: [211980](#), [600116](#), [602544](#), [604370](#), [607572](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The precise function of this gene is unknown; however, the encoded protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for proteasomal degradation. Mutations in this gene are known to cause Parkinson disease and autosomal recessive juvenile Parkinson disease. Alternative splicing of this gene produces multiple transcript variants encoding distinct isoforms. Additional splice variants of this gene have been described but currently lack transcript support. [provided by RefSeq]

Other Designations: E3 ubiquitin ligase,OTTHUMP00000017565,OTTHUMP00000017566,OTTHUMP0000017567,parkin,parkin 2

Interactome



Gene Pathway

[Parkinson's disease Ubiquitin mediated proteolysis](#)

Related Disease

[Alzheimer disease](#) [Cardiovascular Diseases](#) [Choice Behavior](#) [Cognition Disorders](#) [Diabetes Mellitus, Type 2](#) [Diabetic Nephropathies](#) [Disease Progression](#) [Disease Susceptibility](#) [Dystonic Disorders](#) [Edema](#) [Essential Tremor](#) [Essential tremor](#) [Genetic Predisposition to Disease](#) [Leprosy](#) [Movement Disorders](#) [Nerve Degeneration](#) [Neuropsychological Tests](#) [Paratyphoid Fever](#) [Parkinson Disease](#)

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