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- Mindermengenzuschlag
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DDB2 Pre-design Chimera RNAi

Catalog # : H00001643-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens damage-specific DNA binding protein 2, 48kDa (DDB2), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000107

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: 1643

Gene Name: DDB2

Gene Alias: DDBB,FLJ34321,UV-DDB2

Gene damage-specific DNA binding protein 2, 48kDa

Description:

Omim ID: [278740](#), [600811](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a protein that is necessary for the repair of ultraviolet light-damaged DNA. This protein is the smaller subunit of a heterodimeric protein complex that participates in nucleotide excision repair, and this complex mediates the ubiquitylation of histones H3 and H4, which facilitates the cellular response to DNA damage. This subunit appears to be required for DNA binding. Mutations in this gene cause xeroderma pigmentosum complementation group E, a recessive disease that is characterized by an increased sensitivity to UV light and a high predisposition for skin cancer development, in some cases accompanied by neurological abnormalities. [provided by RefSeq]

Other Designations: DDB p48 subunit,UV-damaged DNA-binding protein 2,damage-specific DNA binding protein 2,damage-specific DNA binding protein 2 (48kD),xeroderma pigmentosum group E protein

Gene Pathway

[Nucleotide excision repair](#) [p53 signaling pathway](#) [Ubiquitin mediated proteolysis](#)

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