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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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EP300 Pre-design Chimera RNAi

Catalog # : H00002033-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens E1A binding protein p300 (EP300), mRNA.

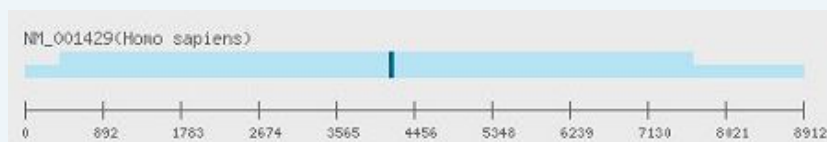
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001429

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: [2033](#)

Gene Name: EP300

Gene Alias: KAT3B,p300

Gene E1A binding protein p300

Description:

Omim ID: [114500](#), [180849](#), [602700](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein. It functions as histone acetyltransferase that regulates transcription via chromatin remodeling and is important in the processes of cell proliferation and differentiation. It mediates cAMP-gene regulation by binding specifically to phosphorylated CREB protein. This gene has also been identified as a co-activator of HIF1A (hypoxia-inducible factor 1 alpha), and thus plays a role in the stimulation of hypoxia-induced genes such as VEGF. Defects in this gene are a cause of Rubinstein-Taybi syndrome and may also play a role in epithelial cancer. [provided by RefSeq]

Other Designations: E1A-associated protein p300, E1A-binding protein, 300kD, OTTHUMP0000028668, histone acetyltransferase p300

Gene Pathway

[Adherens junction](#) [Cell cycle](#) [Huntington's disease](#) [Jak-STAT signaling pathway](#)
[Long-term potentiation](#) [Melanogenesis](#) [Notch signaling pathway](#) [Pathways in cancer](#)
[Prostate cancer](#) [Renal cell carcinoma](#) [TGF-beta signaling pathway](#) [Wnt signaling pathway](#)

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