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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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GADD45A Pre-design Chimera RNAi

Catalog # : H00001647-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens growth arrest and DNA-damage-inducible, alpha (GADD45A), mRNA.

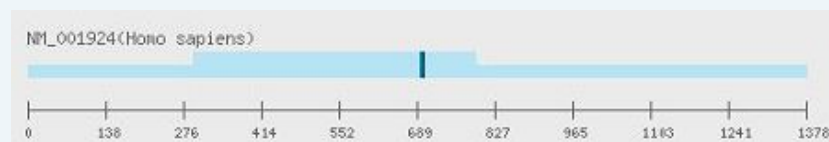
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001924

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: [1647](#)

Gene Name: GADD45A

Gene Alias: DDIT1, GADD45

Gene growth arrest and DNA-damage-inducible, alpha
Description:

Omim ID: [126335](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms. [provided by RefSeq]

Other Designations: DNA damage-inducible transcript 1,DNA damage-inducible transcript-1,DNA-damage-inducible transcript 1,OTTHUMP00000010979,growth arrest and DNA-damage-inducible 45 alpha

Gene Pathway

Cell cycle [MAPK signaling pathway](#) [p53 signaling pathway](#)

Related Disease

[Ataxia telangiectasia](#) [Breast cancer](#) [Breast Neoplasms](#) [Chronic Disease](#) [Colonic Neoplasms](#) [Colorectal Neoplasms](#) [Genetic Predisposition to Disease](#) [Lung Neoplasms](#) [Microsatellite Instability Neoplasms](#) [Glandular and Epithelial](#) [Occupational Diseases](#) [Ovarian cancer](#) [Ovarian Neoplasms](#) [Pulmonary Disease](#), [Chronic Obstructive Schizophrenia](#) [Schizophrenia](#), [Paranoid](#)

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