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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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HSPA5 Pre-design Chimera RNAi

Catalog # : H00003309-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) (HSPA5), mRNA.

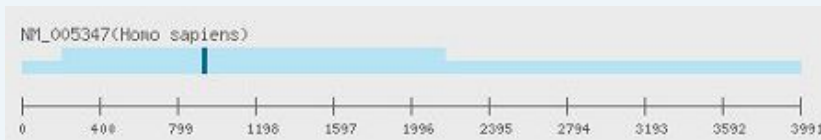
Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_005347

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: [3309](#)

Gene Name: HSPA5

Gene Alias: BIP,FLJ26106,GRP78,MIF2

Gene heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)

Description:

Omim ID: [138120](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: When Chinese hamster K12 cells are starved of glucose, the synthesis of several proteins, called glucose-regulated proteins (GRPs), is markedly increased. Hendershot et al. (1994) [PubMed 8020977] pointed out that one of these, GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER). Because so many ER proteins interact transiently with GRP78, it may play a key role in monitoring protein transport through the cell.[supplied by OMIM]

Other Designations: Heat-shock 70kD protein-5 (glucose-regulated protein, 78kD),OTTHUMP00000022124,heat shock 70kD protein 5 (glucose-regulated protein, 78kD),heat shock 70kDa protein 5

Gene Pathway

[Antigen processing and presentation](#) [Prion diseases](#)

Related Disease

[Alzheimer Disease](#) [Alzheimer disease](#) [Bipolar Disorder](#) [Carcinoma, Hepatocellular](#) [Cognition Disease Susceptibility](#) [Genetic Predisposition to Disease](#) [Hepatitis B](#) [Hepatitis B, Chronic Infection](#) [Kidney Failure, Chronic](#) [Liver Neoplasms](#) [Parkinson Disease](#) [Parkinson disease](#) [Schizophrenia](#) [Schizophrenia](#) [Stress, Psychological](#)