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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CYBB Pre-design Chimera RNAi

Catalog # : H00001536-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens cytochrome b-245, beta polypeptide (chronic granulomatous disease) (CYBB), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_000397

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: [1536](#)

Gene Name: CYBB

Gene Alias: CGD,GP91-1,GP91-PHOX,GP91PHOX,NOX2,p91-PHOX

Gene cytochrome b-245, beta polypeptide

Description:

Omim ID: [300481](#), [306400](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Cytochrome b (-245) is composed of cytochrome b alpha (CYBA) and beta (CYBB) chain. It has been proposed as a primary component of the microbicidal oxidase system of phagocytes. CYBB deficiency is one of five described biochemical defects associated with chronic granulomatous disease (CGD). In this disorder, there is decreased activity of phagocyte NADPH oxidase; neutrophils are able to phagocytize bacteria but cannot kill them in the phagocytic vacuoles. The cause of the killing defect is an inability to increase the cell's respiration and consequent failure to deliver activated oxygen into the phagocytic vacuole. [provided by RefSeq]

Other OTTHUMP00000031915,cytochrome b-245 beta polypeptide

Designations:

Gene Pathway

[Leukocyte transendothelial migration](#)

Related Disease

[Asthma](#) [Genetic Predisposition to Disease](#) [Granulomatous Disease, Chronic](#) [HIV Infections](#) [Liver Cirrhosis](#) [Lung Diseases](#) [Lung Neoplasms](#) [Mycobacterium Infections, Atypical](#) [Pneumonia](#) [Pulmonary Disease, Chronic Obstructive](#) [Sarcoidosis, Pulmonary](#) [Tuberculosis, Pulmonary](#) [Urinary Bladder Neoplasms](#) [Werner syndrome](#)