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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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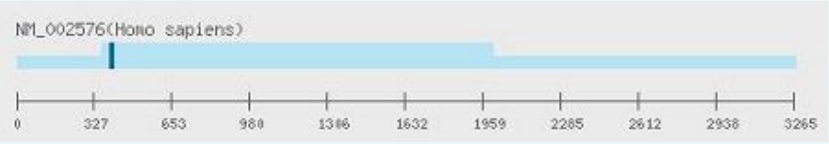
PAK1 Pre-design Chimera RNAi

Catalog # : H00005058-R02 **規格 :** [10 nmol] [20 nmol]

List All

Specification

Product Description:	Homo sapiens p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast) (PAK1), mRNA.
Reactivity:	Human
Supplied Product:	DEPC water
Target Refseq:	NM_002576
Storage Instruction:	Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.
Note:	Position of the Chimera RNAi.



Publication Reference

1. 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.
2. 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.
3. 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.
4. 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:	5058
Gene Name:	PAK1
Gene Alias:	MGC130000,MGC130001,PAKalpha

Application Image

RNAi Knockdown

Gene Description:	p21 protein (Cdc42/Rac)-activated kinase 1
Omim ID:	602590
Gene Ontology:	Hyperlink
Gene Summary:	PAK proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nuclear signaling. PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. These proteins serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK1 regulates cell motility and morphology. Alternativelt spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations:	STE20 homolog, yeast,p21-activated kinase 1,p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast),p21/Cdc42/Rac1-activated kinase 1 (yeast Ste20-related)

Gene Pathway

Axon guidance Chemokine signaling pathway
Epithelial cell signaling in Helicobacter pylori infection ErbB signaling pathway
Fc gamma R-mediated phagocytosis Focal adhesion MAPK signaling pathway
Natural killer cell mediated cytotoxicity Regulation of actin cytoskeleton
Renal cell carcinoma T cell receptor signaling pathway

Related Disease

Carcinoma, Squamous Cell Esophageal Neoplasms HIV Infections Tobacco Use Disorder