



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## DEFA1 Pre-design Chimera RNAi

Catalog # : H00001667-R01

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product** Homo sapiens defensin, alpha 1 (DEFA1), mRNA.

**Description:**

**Reactivity:** Human

**Supplied** DEPC water

**Product:**

**Target Refseq:** NM\_004084

**Storage** Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure  
**Instruction:** 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:** [1667](#)

**Gene Name:** DEFA1

**Gene Alias:** DEF1,DEFA2,HNP-1,HP-1,MGC138393,MRS

**Gene** defensin, alpha 1

**Description:**

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**Omim ID:** [125220](#)

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**Gene Ontology:** [Hyperlink](#)

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**Gene Summary:** Defensins are a family of microbicidal and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. Several alpha defensin genes appear to be clustered on chromosome 8. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. It differs from defensin, alpha 3 by only one amino acid. [provided by RefSeq]

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**Other Designations:** OTTHUMP00000196017, defensin, alpha 1, myeloid-related sequence, defensin, alpha 2, myeloid-related sequence

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#### **Related Disease**

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[Genetic Predisposition to Disease Sepsis](#)

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