



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## HLA-E Pre-design Chimera RNAi

Catalog # : H00003133-R02

規格 : [ 10 nmol ] [ 20 nmol ]

List All

### Specification

**Product Description:** Homo sapiens major histocompatibility complex, class I, E (HLA-E), mRNA.

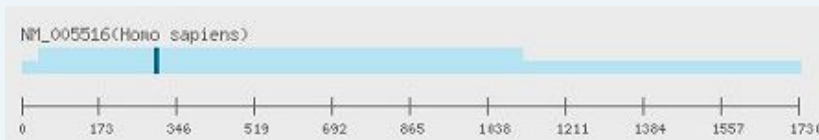
**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_005516

**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:** 3133

**Gene Name:** HLA-E

**Gene Alias:** DKFZp686P19218,EA1.2,EA2.1,HLA-6.2,MHC,QA1

**Gene** major histocompatibility complex, class I, E

**Description:**

**Omim ID:** [143010](#)

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

**Gene Summary:** HLA-E belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. HLA-E binds a restricted subset of peptides derived from the leader peptides of other class I molecules. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. [provided by RefSeq]

**Other Designations:** HLA class I histocompatibility antigen, E alpha chain, MHC HLA-E alpha-1, MHC HLA-E alpha-2.1, MHC class I antigen, OTTHUMP00000029214, lymphocyte antigen

**Gene Pathway**

[Allograft rejection](#) [Antigen processing and presentation](#) [Autoimmune thyroid disease](#)  
[Cell adhesion molecules \(CAMs\)](#) [Endocytosis](#) [Graft-versus-host disease](#)  
[Natural killer cell mediated cytotoxicity](#) [Type I diabetes mellitus](#)

**Related Disease**

[Abortion, Habitual](#) [Abortion, Spontaneous](#) [Acute Disease](#) [Anemia, Sickle Cell](#)  
[Anemia, sickle cell](#) [Bacterial Infections](#) [Behcet Syndrome](#) [Bone Marrow Diseases](#)  
[Carcinoma](#) [Chorioamnionitis](#) [Coronary Aneurysm](#) [Cytomegalovirus Infections](#)  
[Fetal Membranes, Premature Rupture](#) [Genetic Predisposition to Disease](#)  
[Graft vs Host Disease](#) [HIV Infections](#) [Lupus Erythematosus, Systemic](#)  
[Mucocutaneous Lymph Node Syndrome](#) [Nasopharyngeal Neoplasms](#)

... see more