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Lieferung & Zahlungsart

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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

www.szabo-scandic.com

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

ACSL1 Pre-design Chimera RNAi

Catalog # : H00002180-R01

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens acyl-CoA synthetase long-chain family member 1 (ACSL1), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001995

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: [2180](#)

Gene Name: ACSL1

Gene Alias: ACS1,FACL1,FACL2,LACS,LACS1,LACS2

Gene acyl-CoA synthetase long-chain family member 1

Description:

Omim ID: [152425](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. [provided by RefSeq]

Other Designations: fatty-acid-Coenzyme A ligase, long-chain 1,fatty-acid-Coenzyme A ligase, long-chain 2,lignoceroyl-CoA synthase,long-chain acyl-CoA synthetase 1,long-chain acyl-CoA synthetase 2,long-chain fatty-acid-coenzyme A ligase 1,palmitoyl-CoA ligase 2,paltimoyl-CoA

Gene Pathway

[Adipocytokine signaling pathway](#) [Fatty acid metabolism](#) [Metabolic pathways](#)
[PPAR signaling pathway](#)

Related Disease

[Genetic Predisposition to Disease](#) [Insulin Resistance](#) [Metabolic Syndrome X](#)