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SLC3A2 Pre-design Chimera RNAi

Catalog # : H00006520-R05

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 (SLC3A2), transcript variant 6, mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_001013251

Target Region: Coding sequence

Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.
The related RNAi products listed below were designed from different accession number but sharing the same RNAi sequence.



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: [6520](#)

Gene Name: SLC3A2

Gene Alias: 4F2,4F2HC,4T2HC,CD98,CD98HC,MDU1,NACAE

Gene Description: solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2

Omim ID: [158070](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene is a member of the solute carrier family and encodes a cell surface, transmembrane protein with an alpha amylase domain. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. It associates with integrins and mediates integrin-dependent signaling related to normal cell growth and tumorigenesis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations: 4F2 cell-surface antigen heavy chain,4F2 heavy chain,CD98 heavy chain,antigen defined by monoclonal antibody 4F2, heavy chain,antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43,heavy chain,lymphocyte activation antigen 4F2 large subu

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