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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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EIF2S1 Validated Chimera RNAi

Catalog # : H00001965-R01V

規格 : [10 nmol] [20 nmol]

List All

Specification

Product Description: Homo sapiens eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa (EIF2S1), mRNA.

Reactivity: Human

Supplied Product: DEPC water

Target Refseq: NM_004094

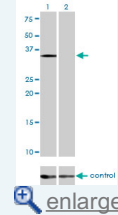
Storage Instruction: Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

Note: Position of the Chimera RNAi.



Application Image

RNAi Knockdown (Antibody validated)

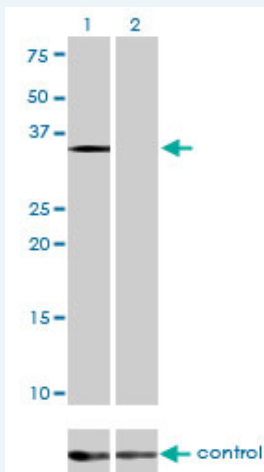


Publication Reference

- 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 (Antibody validated)



Western blot analysis of EIF2S1 over-expressed 293 cell line, cotransfected with EIF2S1 Validated Chimera RNAi (Cat # H00001965-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with EIF2S1 monoclonal antibody (M01), clone 3H12-C11 (Cat # H00001965-M01). GAPDH (36.1 kDa) used as specificity and loading control.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [1965](#)

Gene Name: EIF2S1

Gene Alias: EIF-2, EIF-2A, EIF-2alpha, EIF2, EIF2A

Gene Description: eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa

Omim ID: [603907](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The translation initiation factor eIF2 catalyzes the first regulated step of protein synthesis initiation, promoting the binding of the initiator tRNA to 40S ribosomal subunits. Binding occurs as a ternary complex of methionyl-tRNA, eIF2, and GTP. eIF2 is composed of 3 nonidentical subunits, alpha (36 kD), beta (38 kD, MIM 603908), and gamma (52 kD, MIM 300161). The rate of formation of the ternary complex is modulated by the phosphorylation state of eIF2-alpha (Ernst et al., 1987 [PubMed 2948954]).[supplied by OMIM

Other Designations: eIF-2-alpha, eukaryotic translation initiation factor 2, subunit 1 (alpha, 35kD)

Related Disease

[Hepatitis B](#) [Hepatitis B, Chronic](#)