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Product datasheet for SR416196

Celf4 Mouse siRNA Oligo Duplex (Locus ID 108013)

Product data:

Product Type:	siRNA Oligo Duplexes
Purity:	HPLC purified
Quality Control:	Tested by ESI-MS
Sequences:	`Available with shipment`
Stability:	One year from date of shipment when stored at -20°C.
# of transfections:	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
Note:	Single siRNA duplex (10nmol) can be ordered.
RefSeq:	NM_001146292, NM_001146293, NM_001146294, NM_001146295, NM_001174074, NM_133195, NM_001362275, NM_001362276, NM_001362277, NM_001362278, NM_001362279, NM_001362280, NM_001362281, NM_001362282, NM_001362283, NM_001362284, NM_001362285, NM_001362286, NM_001362288, NM_001362289, NM_001362290, NM_001362291, NM_001362292, NM_001362293, NM_001362294, NM_001362295, NM_001362297, NM_001362299, NM_001362300, NM_001362301, NM_001362302, NM_001362303, NM_001362304, NM_001362308, NM_001362309, NM_001362310, NM_001362311, NM_001362313, NM_001362315, NM_001362316, NM_001362319, NM_001362322, NM_001362323, NM_001362324, NM_001362325, NM_001362326, NM_001362327, NM_001362328, NM_001362329, NM_001362330, NM_001362331, NM_001362332, NM_001362334, NM_001362335, NM_001362336, NM_001362337
UniProt ID:	Q7TSY6
Synonyms:	A230070D14Rik; Brul4; BRUNOL-4; Brunol4; C130060B05Rik
Components:	Celf4 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 108013) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml

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Summary:

RNA-binding protein implicated in the regulation of pre-mRNA alternative splicing. Mediates exon inclusion and/or exclusion in pre-mRNA that are subject to tissue-specific and developmentally regulated alternative splicing. Specifically activates exon 5 inclusion of cardiac isoforms of TNNT2 during heart remodeling at the juvenile to adult transition. Promotes exclusion of both the smooth muscle (SM) and non-muscle (NM) exons in actinin pre-mRNAs. Activates the splicing of MAPT/Tau exon 10. Binds to muscle-specific splicing enhancer (MSE) intronic sites flanking the alternative exon 5 of TNNT2 pre-mRNA (By similarity).[UniProtKB/Swiss-Prot Function]

Performance Guaranteed:

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled siRNA control (quantitative RT-PCR data required).