

## Product datasheet for **SR415376**

### Nelfb Mouse siRNA Oligo Duplex (Locus ID 58202)

#### 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:	<a href="#">NM_021393</a>
UniProt ID:	<a href="#">Q8C4Y3</a>
Synonyms:	A730008L03Rik; AB041607; A1663983; Cob; Cobra1; Nelf-b
Components:	Nelfb (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 58202) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene encodes subunit B of a metazoan-specific, four-subunit protein complex that regulates promoter-proximal pausing of RNA polymerase II. RNA polymerase II pausing is thought to be important for coordination of gene transcription during embryonic development and stress responses. Consistently, disruption of this gene in mouse causes inner cell mass deficiency and embryonic lethality. In addition, this gene is required for maintenance of mouse embryonic stem cells by preventing expression of developmental genes. In adult mice, conditional deletion of this gene results in cardiomyopathy and impaired response to cardiac stress. Multiple protein isoforms are encoded through the use of a non-AUG (CUG) initiation codon and an alternative downstream AUG initiation codon. In addition, alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]



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**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](mailto: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).