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# Product datasheet for SR405464

## Fndc5 Mouse siRNA Oligo Duplex (Locus ID 384061)

### 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_027402 |
| **UniProt ID:** | Q8K4Z2 |
| **Synonyms:** | 1500001L03Rik; AI836596; C87088; P; PeP; Pxp |
| **Components:** | Fndc5 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 384061)<br>Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol<br>Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml |
| **Summary:** | This gene encodes a type I transmembrane protein containing fibronectin type III repeat. The encoded transmembrane protein undergoes proteolytic processing to generate a soluble hormone named irisin that is secreted into the bloodstream. The expression of this gene followed by the secretion of irisin from skeletal muscle is induced by exercise. The ectopic expression of the encoded protein in mice causes an elevation of irisin in blood and improves metabolic health. [provided by RefSeq, Jul 2016] |

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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. 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).