

## Product datasheet for **SR311513**

### MRTFB Human siRNA Oligo Duplex (Locus ID 57496)

#### 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:                 | <u><a href="#">NM_001308142</a></u> , <u><a href="#">NM_014048</a></u> , <u><a href="#">NM_001365411</a></u> , <u><a href="#">NM_001365413</a></u> , <u><a href="#">NM_001365415</a></u> ,<br><u><a href="#">NM_001365416</a></u> , <u><a href="#">NM_001365412</a></u> , <u><a href="#">NM_001365414</a></u> , <u><a href="#">NM_001365417</a></u> , <u><a href="#">NM_001365418</a></u> ,<br><u><a href="#">NM_001365419</a></u> , <u><a href="#">NM_001365420</a></u> , <u><a href="#">NM_001365421</a></u> |
| UniProt ID:             | <u><a href="#">Q9ULH7</a></u>  |
| Synonyms:               | MKL2; MRTF-B; NPD001   |
| Components:             | MKL2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 57496)<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:                | Acts as a transcriptional coactivator of serum response factor (SRF). Required for skeletal myogenic differentiation.[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](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).



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