

## Product datasheet for **SR416138**

### Acvr11 Mouse siRNA Oligo Duplex (Locus ID 11482)

#### 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_001277255</a> , <a href="#">NM_001277257</a> , <a href="#">NM_001277258</a> , <a href="#">NM_001277259</a> , <a href="#">NM_009612</a>                                                                                                                                                                                                                                                                                                            |
| UniProt ID:         | <a href="#">Q61288</a>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Synonyms:           | Acvr1k1; AI115505; AI427544; Alk1                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Components:         | Acvr11 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 11482)<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:            | Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. May bind activin as well.[UniProtKB/Swiss-Prot Function] |



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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).