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# Product datasheet for SR314662

## C10orf4 (FRA10AC1) Human siRNA Oligo Duplex (Locus ID 118924)

### 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_145246, NM_203438, NM_203439, NM_203440, NM_203441, NM_001347712, NM_001347713, NM_001347714, NM_001347715, NR_144635 |
| **UniProt ID:** | Q70Z53 |
| **Synonyms:** | C10orf4; F26C11.1-like; FRA10A |
| **Components:** | FRA10AC1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 118924)<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:** | The protein encoded by this gene is a nuclear phosphoprotein of unknown function. This gene contains a tandem CGG repeat region within a CpG island that normally consists of 8-14 repeats but can expand to over 200 repeats. The repeat region is within the 5' UTR of some transcript variants, but is intronic to another variant. The expanded repeat allele is a fragile site and becomes hypermethylated, causing a reduction in gene expression. A disease phenotype has not been associated with expanded alleles. This gene is found within the rare FRA10A folate-sensitive fragile site. [provided by RefSeq, Dec 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).