

## Product datasheet for **SR322726**

### **GPR56 (ADGRG1) Human siRNA Oligo Duplex (Locus ID 9289)**

#### **Product data:**

<b>Product Type:</b>	siRNA Oligo Duplexes
<b>Purity:</b>	HPLC purified
<b>Quality Control:</b>	Tested by ESI-MS
<b>Sequences:</b>	Available with shipment
<b>Stability:</b>	One year from date of shipment when stored at -20°C.
<b># of transfections:</b>	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
<b>Note:</b>	Single siRNA duplex (10nmol) can be ordered.
<b>RefSeq:</b>	<a href="#">NM_001145770</a> , <a href="#">NM_001145771</a> , <a href="#">NM_001145772</a> , <a href="#">NM_001145773</a> , <a href="#">NM_001145774</a> , <a href="#">NM_001290142</a> , <a href="#">NM_001290143</a> , <a href="#">NM_001290144</a> , <a href="#">NM_005682</a> , <a href="#">NM_201524</a> , <a href="#">NM_201525</a> , <a href="#">NM_001370428</a> , <a href="#">NM_001370429</a> , <a href="#">NM_001370430</a> , <a href="#">NM_001370432</a> , <a href="#">NM_001370433</a> , <a href="#">NM_001370434</a> , <a href="#">NM_001370436</a> , <a href="#">NM_001370439</a> , <a href="#">NM_001370440</a> , <a href="#">NM_001370451</a> , <a href="#">NM_001370431</a> , <a href="#">NM_001370435</a> , <a href="#">NM_001370437</a> , <a href="#">NM_001370438</a> , <a href="#">NM_001370441</a> , <a href="#">NM_001370442</a> , <a href="#">NM_001370453</a> , <a href="#">NM_001370454</a>
<b>UniProt ID:</b>	<a href="#">Q9Y653</a>
<b>Synonyms:</b>	BFPP; BPPR; GPR56; TM7LN4; TM7XN1
<b>Components:</b>	ADGRG1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 9289) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
<b>Summary:</b>	This gene encodes a member of the G protein-coupled receptor family and regulates brain cortical patterning. The encoded protein binds specifically to transglutaminase 2, a component of tissue and tumor stroma implicated as an inhibitor of tumor progression. Mutations in this gene are associated with a brain malformation known as bilateral frontoparietal polymicrogyria. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]



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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).