

## Product datasheet for **SR303468**

### PFKM Human siRNA Oligo Duplex (Locus ID 5213)

#### 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_000289</a> , <a href="#">NM_001166686</a> , <a href="#">NM_001166687</a> , <a href="#">NM_001166688</a> , <a href="#">NM_001354735</a> , <a href="#">NM_001354736</a> , <a href="#">NM_001354737</a> , <a href="#">NM_001354738</a> , <a href="#">NM_001354739</a> , <a href="#">NM_001354740</a> , <a href="#">NM_001354741</a> , <a href="#">NM_001354742</a> , <a href="#">NM_001354743</a> , <a href="#">NM_001354744</a> , <a href="#">NM_001354745</a> , <a href="#">NM_001354746</a> , <a href="#">NM_001354747</a> , <a href="#">NM_001354748</a> , <a href="#">NR_148954</a> , <a href="#">NR_148955</a> , <a href="#">NR_148956</a> , <a href="#">NR_148957</a> , <a href="#">NR_148958</a> , <a href="#">NR_148959</a> , <a href="#">NM_001363619</a>
UniProt ID:	<a href="#">P08237</a>
Synonyms:	ATP-PFK; GSD7; PFK-1; PFK-A; PFK1; PFKA; PFKX; PPP1R122
Components:	PFKM (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 5213) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Three phosphofructokinase isozymes exist in humans: muscle, liver and platelet. These isozymes function as subunits of the mammalian tetramer phosphofructokinase, which catalyzes the phosphorylation of fructose-6-phosphate to fructose-1,6-bisphosphate. Tetramer composition varies depending on tissue type. This gene encodes the muscle-type isozyme. Mutations in this gene have been associated with glycogen storage disease type VII, also known as Tarui disease. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2009]



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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).