

## Product datasheet for **SR303865**

### PTGER3 Human siRNA Oligo Duplex (Locus ID 5733)

#### 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_000957</a> , <a href="#">NM_001126044</a> , <a href="#">NM_198712</a> , <a href="#">NM_198713</a> , <a href="#">NM_198714</a> , <a href="#">NM_198715</a> , <a href="#">NM_198716</a> , <a href="#">NM_198717</a> , <a href="#">NM_198718</a> , <a href="#">NM_198719</a> , <a href="#">NM_198720</a> , <a href="#">NR_028292</a> , <a href="#">NR_028293</a> , <a href="#">NR_028294</a>
UniProt ID:	<a href="#">P43115</a>
Synonyms:	EP3; EP3-I; EP3-II; EP3-III; EP3-IV; EP3e; MGC27302; MGC141828; MGC141829
Components:	PTGER3 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 5733) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The protein encoded by this gene is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotrophic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 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).