

## Product datasheet for **SR308380**

### SMUG1 Human siRNA Oligo Duplex (Locus ID 23583)

#### 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:	<u><a href="#">NM_001243787</a></u> , <u><a href="#">NM_001243788</a></u> , <u><a href="#">NM_001243789</a></u> , <u><a href="#">NM_001243790</a></u> , <u><a href="#">NM_001243791</a></u> , <u><a href="#">NM_014311</a></u> , <u><a href="#">NR_045039</a></u> , <u><a href="#">NM_001351237</a></u> , <u><a href="#">NM_001351238</a></u> , <u><a href="#">NM_001351239</a></u> , <u><a href="#">NM_001351240</a></u> , <u><a href="#">NM_001351241</a></u> , <u><a href="#">NM_001351242</a></u> , <u><a href="#">NM_001351243</a></u> , <u><a href="#">NM_001351244</a></u> , <u><a href="#">NM_001351245</a></u> , <u><a href="#">NM_001351246</a></u> , <u><a href="#">NM_001351247</a></u> , <u><a href="#">NM_001351248</a></u> , <u><a href="#">NM_001351249</a></u> , <u><a href="#">NM_001351250</a></u> , <u><a href="#">NM_001351251</a></u> , <u><a href="#">NM_001351252</a></u> , <u><a href="#">NM_001351253</a></u> , <u><a href="#">NM_001351254</a></u> , <u><a href="#">NM_001351255</a></u> , <u><a href="#">NM_001351256</a></u> , <u><a href="#">NM_001351257</a></u> , <u><a href="#">NM_001351258</a></u> , <u><a href="#">NM_001351259</a></u> , <u><a href="#">NM_001351260</a></u> , <u><a href="#">NM_001351261</a></u> , <u><a href="#">NM_001351262</a></u>
UniProt ID:	<u><a href="#">Q53HV7</a></u>
Synonyms:	FDG; HMUDG; UNG3
Components:	SMUG1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 23583) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene encodes a protein that participates in base excision repair by removing uracil from single- and double-stranded DNA. Many alternatively spliced transcript variants exist for this gene; the full-length nature is known for some but not all of the variants. [provided by RefSeq, Aug 2011]



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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).