

## Product datasheet for **SC330188**

### SMUG1 (NM\_001243789) Human Untagged Clone

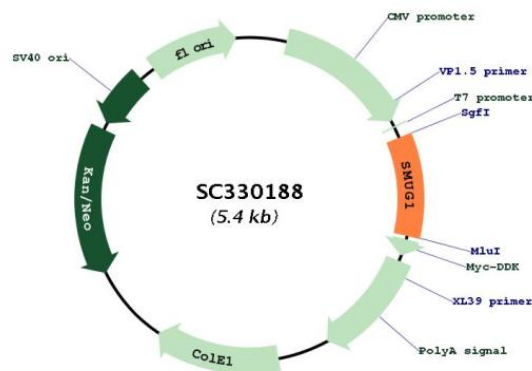
#### Product data:

Product Type:	Expression Plasmids
Product Name:	SMUG1 (NM_001243789) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMUG1
Synonyms:	FDG; HMUDG; UNG3
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330188 representing NM_001243789. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCCCAGGCTTTCCTGCTGGGGTCCATCCATGAGCCTGCAGGTGCCCTCATGGAGCCCCAGCCCTGC
CCTGGAAGCTTGGCTGAGAGCTTCTGGAGGAGGAGCTTCGGCTCAATGCTGAGCTGAGCCAGCTGCAG
TTTTCGGAGCCTGTGGGCATCATCTACAATCCCGTGGAGTATGCATGGGAGCCACATCGAACTACGTG
ACTCGCTACTGCCAGGGCCCCAAGGAAGTACTTCTCTGGGCATGAACCCTGGACCTTTTGGCATGGCC
CAGACTGGGTGCCCTTTGGGAAGTAAGCATGGTCCGGGACTGGTTGGGCATTGTGGGGCTGTGCTG
ACCCCTCCCAAGAGCATCCTAAACGACCAGTGTGGGACTGGAGTGCCACAGTCAGAAGACCAAGA
CAAAGCATGGGACATGAAATTAAGAGTGAATTCTTATGGGAGGCTGCAGCTGGATCAGAGGAAAAATC
CAGTGTGACAGAGTGCAAGTCAGAAGACCTGGCTTTTCATCCCAGCTTTGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



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<b>ACCN:</b>	NM_001243789
<b>Insert Size:</b>	534 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001243789.1</a>
<b>RefSeq Size:</b>	1046 bp
<b>RefSeq ORF:</b>	534 bp
<b>Locus ID:</b>	23583
<b>UniProt ID:</b>	<a href="#">Q53HV7</a>
<b>Cytogenetics:</b>	12q13.13
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Base excision repair
<b>MW:</b>	19.6 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, 3' UTR, and coding region compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1. Variants 4-11 all encode the same isoform (2).</p>