

Product datasheet for **SC332041**

SMUG1 (NM_001243787) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SMUG1 (NM_001243787) Human Untagged Clone
Tag: Tag Free
Symbol: SMUG1
Synonyms: FDG; HMUDG; UNG3
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332041 representing NM_001243787.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCCCAGGCTTTCCTGCTGGGGTCCATCCATGAGCCTGCAGGTGCCCTCATGGAGCCCCAGCCCTGC
CCTGGAAGCTTGGCTGAGAGCTTCTGGAGGAGGAGCTTCGGCTCAATGCTGAGCTGAGCCAGCTGCAG
TTTTCGGAGCCTGTGGGCATCATCTACAATCCCGTGGAGTATGCATGGGAGCCACATCGCAACTACGTG
ACTCGCTACTGCCAGGGCCCCAAGGAAGTACTTCTCTGGGCATGAACCCTGGACCTTTTGGCATGGCC
CAGACTGGGGTGCCTTTGGGGAAGTAAGCATGGTCCGGGACTGGTTGGGCATTGTGGGGCTGTGCTG
ACCCCTCCCCAAGAGCATCCTAAACGACCAGTGTGGGACTGGAGTGCCACAGTCAGAAGTGAGTGGT
GCCCGATTCTGGGGCTTTTTCCGGAACCTCTGTGGACAGCCTGAGGTCTTCTTCCATCACTGTTTTGTC
CACAATCTATGCCCTCTGCTTTTCTGGCTCCCAGCGGGCGCAACCTTACTCCTGCTGAGCTGCCTGCC
AAGCAGCGAGAACAGCTTCTTGGGATCTGTGATGCAGCCCTCTGCCGGCAGGTGCAGCTGCTGGGGGTG
CGGCTGGTGGTGGGAGTTGGGCGACTGGCAGAGCAGCGGGCAGCAGCGGGCTCTGGCAGGCCTGATGCCA
GAGGTCCAGGTGGAAGGGCTCCTGCATCCCTCTCCCCGTAACCCACAGGCCAACAGGGCTGGGAGGCA
GTGGCCAAAGGAAAGATTGAATGAGCTGGGGCTGCTGCCACTGCTGTTGAAATGA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001243787
Insert Size: 813 bp
OTI Disclaimer: 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).
Components: 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).



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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001243787.1</u>
RefSeq Size:	2716 bp
RefSeq ORF:	813 bp
Locus ID:	23583
UniProt ID:	<u>Q53HV7</u>
Cytogenetics:	12q13.13
Protein Families:	Druggable Genome
Protein Pathways:	Base excision repair
MW:	29.9 kDa
Gene Summary:	<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 (2) uses a different splice site in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein (isoform 1).</p>