

## Product datasheet for **RN211860**

### Smug1 (NM\_177934) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Smug1 (NM_177934) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smug1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211860 representing NM_177934 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCTGTGTCCAGACTTTCCACCGGGGCTGCCCATGAGCCTGCCAGTGCCTGATGGAGCCTTGCG  
CTCGAAGCTTAGCTGAGGGCTTCTGGAGGAAGAGCTTCGGCTCAATGCTGAGCTGAGCCAGCTGCAGTT  
TCCAGAGCCTGTGGGTGCATCTACAACCCAGTGGATTATGCTTGGGAGCCACACCGGAACCTACGTGACT  
CGCTACTGCCAAGGCCCAAGGAAGTGCTTCCCTGGGCATGAATCCAGGACCTTTTGGCATGGCCAAA  
CTGGGGTACCTTTTGGGGAAGTGAATGTGGTCCGGACTGGTTGGGCATTGGGGCTCTGTGCTGTCCCC  
TCCCAAGAGCACCTAAGCGACCAAGTGTGGACTGGAGTCCCGCAGTCAGAGGTGAGCGGAGCCCGA  
TTCTGGGGCTTTTTTGGACCCTCTGCGGACAGCCTCAAGTCTTCTTCCGGCACTGCTTTGTCCACAATC  
TGTGCTCTACTCTTCTGGCTCCAGCGGGCGAAACCTTACCCCGCTGATCTGCCCGCAAGCACCG  
GGAGCAGTACTGTGCATCTGCGACGCCGCCCTGCGCGCAGGTGCAGCTGCTAGGGGTGCGGCTGGTA  
GTGGGAGTGGGGCGCTGGCAGAGCAGAGACTCGAAGAGCTCTAGCAGGGCTGACCCCGAGGTGCAGG  
TGGAGGGCTCCTGCATCCATCTCCTCGAAGCCCGCAGGCCAACAAAGGCTGGGAAACAGCAGCCAGGGA  
AAGACTCCAAGAGTTGGGGCTGCTGCCTCTGCTAACGGATGAGGGTTCAGTCAGGCTACACCA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_177934
Insert Size:	837 bp



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<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_177934.3</a> , <a href="#">NP_808795.1</a>
<b>RefSeq Size:</b>	1029 bp
<b>RefSeq ORF:</b>	837 bp
<b>Locus ID:</b>	315344
<b>UniProt ID:</b>	<a href="#">Q811Q1</a>
<b>Cytogenetics:</b>	7q36
<b>Gene Summary:</b>	involved in the repair of 5-formyluracil and other oxidized and deaminated base lesions [RGD, Feb 2006]