

Product datasheet for **RN214033**

Smu1 (NM_057195) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smu1 (NM_057195) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smu1
Synonyms:	Bwd; Smu-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214033 representing NM_057195
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGATCGAAATCGAGTCTTCCGATGTGATTCTAATCATGCAGTACTGAAGGAGAACAGTTTAC
 ATCGGGCATTGGCCACCTTCACGGAGGAAACCACTGTCTCTGAATACTGTGGATAGCATTGAAAGTTT
 TGTGGCTGATATTAATAGTGGCCACTGGGACACTGTTTTACAGGCTATCCAGTCTCTGAAATGGCCAGAC
 AAAACCTTATTGATCTCTATGAACAGGTTGTTTTGGAATTGATAGAGCTTCGTGAACTGGGTGCTGCCA
 GGTCACTTCTGAGACAGACTGACCCCATGATTATGTTAAAGCAAACACAACCAGAGCGATATATTCATCT
 GGAAAACCTGCTAGCCAGATCTTACTTTGACCCTCGGGAGGCGTATCCAGATGGAAGCAGCAAAGAGAAA
 AGGAGAGCGGCGATTGCCAGGCTTTGGCTGGGAGGTCAGCGTGGTCCGCCTTCCCGTCTCATGGCGT
 TGCTGGGACAGGCACTGAAGTGGCAGCAGCACCAGGGATTGCTTCTCTGGTATGACCATAGATTTGTT
 TCGAGGCAAGGCAGCTGTCAAAGATGTGGAAGAAGAGAAGTTCCACACAGCTGAGCAGACATATTAAG
 TTTGGGCAGAAATCCACGTTGGAGTGGCTCGGTTCTCTCCAGACGGTCAGTATCTGGTACCCGGCTCTG
 TTGACGGATTTATTGAGGTGTGGAACCTCACTACTGGGAAAATCAGGAAGGATCTTAAGTACCAGGCCCA
 GGATAACTTCATGATGATGGATGATGCTGTCTCTGCATGTGTTTCAGCAGAGACACTGAAATGTTAGCA
 ACTGGGGCCCAAGACGGAAAGATCAAGGTTTGGAAAGTTCAGAGTGGACAGTGTGTTGAGAAGATTTGAAA
 GGGCACATAGTAAAGGTGTCACTGTCTAAGCTTTTCCAAGGACAGCAGTCAGATCCTCAGTGCTTCTTT
 TGACCAGACAATAAGAATTCATGGTTTAAAATCTGGAAAACACTTAAGGAATTCGAGGCCATTCCTCC
 TTTGTCAATGAGGCAACATTTACACAAGATGGGCATTACATTATCAGTGCATCCTCTGATGGCACTGTGA
 AGATCTGGAATATGAAGACCACCGAATGTTCAAATACCTTTAAATCCCTGGGCAGTACTGCAGGGACAGA
 TATTACAGTCAATAGTGTAACTTCTGCTTCTAAAACCCAGAGCATTTTGTGTGCAACCGATCGAAC
 ACAGTGGTCATCATGAACATGCAGGGGAGATTGTCAGAAGCTTCAGCTCTGGTAAAAGAGAGGGTGGTG
 ACTTTGTCTGCTGTGCCCTCTCCCTCGTGGCAGTGGATCTACTGTGTTGGGAGGACTTTGTGCTCTA
 CTGCTTCAGCACAGTCACTGGCAAGCTGGAGAGAACTCTGACGGTTCATGAAAAGGATGTGATCGGAATT
 GCACACCACCCGACCAGAACTTGATTGCCACCTACAGTGAAGATGGACTCCTGAAGCTCTGAAAACCT
 AA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_057195
- Insert Size:** 1542 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).

Reconstitution Method:

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: [NM_057195.1](#), [NP_476543.1](#)

RefSeq Size: 1728 bp

RefSeq ORF: 1542 bp

Locus ID: 117541

UniProt ID: [Q99M63](#)

Cytogenetics: 5q22

Gene Summary: involved in protein-protein interaction in the brain [RGD, Feb 2006]