

Product datasheet for **MC217262**

Smu1 (NM_021535) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smu1 (NM_021535) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smu1
Synonyms:	2600001O03Rik; 2610203K23Rik; AB044414; AI845086; AW556129; Bwd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217262 representing NM_021535
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGATCGAAATCGAGTCTTCCGATGTGATCCGACTAATCATGCAGTACTTGAAGGAGAACAGTTTAC
 ATCGGGCACTGGCCACCTTACAGGAGGAACTACTGTCTCTCTGAATACTGTGGACAGCATTGAAAGTTT
 CGTGGCTGATATTAATAGTGGCCATTGGGATACTGTTTTACAGGCTATACAGTCTCTGAAATTGCCAGAC
 AAAACCTTATTGATCTCTATGAACAGGTTGTTTTGGAATTGATAGAGCTTCGTGAATTGGGTGCTGCCA
 GGTCACTTCTGAGACAGACTGACCCCATGATTATGTTAAAGCAAACACAACCAGAGCGCTATATTCATCT
 GGAAAACCTCTTAGCTAGATCTTACTTTGATCCTCGTAGGCATATCCAGATGGAAGTAGCAAAGAGAAA
 AGGAGAGCAGCGATTGCCAGGCTTAGCTGGGAAGTCAGCGTGGTCCACCTTCTCGTCTCATGGCAT
 TGCTGGGACAGGCATTGAAGTGGCAGCAGCACCAGGGATTGCTTCTCCTGGTATGACCATCGATTTGTT
 TCGAGGCAAGGCAGCTGTCAAAGATGTGGAAGAAGAGAAGTTTCCAACACAGTTGAGCAGGCATATTAAG
 TTTGGACAGAAGTCCACGTGGAGTGTGCTCGGTTCTCTCCAGATGGTCAGTATCTGGTCACTGGCTCTG
 TTGATGGATTTATTGAGGTGTGGAACCTCACTACAGGGAAAATCAGGAAGGATCTGAAGTACCAGGCCCA
 GGATAACTTCATGATGATGGATGATGCTGTTCTCTGCATGTGTTTCAGCAGAGATACTGAAATGTTAGCA
 ACTGGGGCCCAAGATGGAAGATCAAGGTTTGAAGATTGAGAGTGGACAGTGTGTTGAGAAGATTGAAA
 GGGCACATAGTAAAGGTGTACCTGTCTAAGCTTTTCCAAGGACAGCAGTCAGATCCTCAGTGCTTCTTT
 TGACCAGACAATACGAATTCATGGTTTAAATCTGAAAAACCTGAAGGAATTCGAGGCCATTCTCTC
 TTTGTTAATGAAGCAACGTTTACACAGGATGGACATTACATTATCAGTGCGTCTCTGATGGCACTGTGA
 AGATCTGGAATATGAAGACCACAGAATGCTCAAATACCTTTAAGTCCCTGGGCAGTACTGCAGGGACAGA
 TATTACAGTCAACAGTGTGATTCTGCTTCTTCTAAAAACCCAGAGCACTTCGTTGTGTGTAACCGATCGAAC
 ACAGTGGTCATCATGAACATGCAGGGCCAGATCGTCAGAAGCTTCAGTTCTGGTAAAAGAGAGGGTGGTG
 ACTTTGTTGCTGTGCCTTGTCCCTCGTGGCAGTGGATCTACTGTGTTGGGAGGACTTTGTGCTCTA
 CTGCTTCAGCACAGTCACTGGCAAGCTGGAGAGAACGCTGACGGTTCTGAGAAGGATGTGATTGGAATC
 GCACACCACCCGACCAAGAATTTGATTGCCACCTACAGTGAAGATGGCTCTGAAGCTCTGAAACCTT
 AA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_021535

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_021535.4, NP_067510.3</u>
RefSeq Size:	3273 bp
RefSeq ORF:	1542 bp
Locus ID:	74255
UniProt ID:	<u>Q3UKJ7</u>
Cytogenetics:	4 A5
Gene Summary:	Involved in pre-mRNA splicing as a component of the spliceosome (By similarity). Regulates alternative splicing of the HSPG2 pre-mRNA (By similarity). Required for normal accumulation of IK (By similarity). Required for normal mitotic spindle assembly and normal progress through mitosis (By similarity).[UniProtKB/Swiss-Prot Function]