

Product datasheet for **RN217347**

Smcr8 (NM_001191919) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smcr8 (NM_001191919) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smcr8
Synonyms:	RGD1564621
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217347 representing NM_001191919

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCAGCGCCCCTGATGTGGTGGCCTTTACCAAGGAAGACGAATACGAGGAAGAACCTTACAATGAAC
 CCGCTTTGCTGAAGAATACTCAGTTCCTCTCTTTCTTATGCCAGCCAGGGCGCTAACCCCTGGTCTAA
 ACTGTCTGGGGCCAAGTTCTCCAGGGACTTTATCCTTATTTTCAGAGTTCTCTGAGCAGGTGGGACCACAG
 CCCTTGCTAACCATCCCCAATGACACCAAAGTTTTTGGCACTTTTGATCTCAATTACTTCTCCTTGCGGA
 TCATGTCAGTGGATTATCAGGCCTCTTTCGTAGGGCATCCTCTGGTTCTGCCTACCCCAAGTTGAACCT
 TGTGGAGGACTCTAAAGTGGTACTTGGAGACTCTAAGGAAGGGGCATTTGCATATGTGCACCACTTACC
 TTGTATGACCTGGAGGCCAGGGGCTTCGTGCGGCCCTTTTGTATGGCTTATATCTCTGCAGACCAGCATA
 AAATCATGCAGCAATCCAAGAGCTCTCAGCCGAATTTTCAAAGCATCTGAGTGCTTGAAGACGGGTAA
 CAGGAAGGCATTGCTGGGGAACCTGAAAAAAGCTGAAAGACTTGGATTACACGAGGACAGTGCTACAC
 ACAGAAACCGAGATCCAGAAGAAAGCCAATGACAAGGGTTTTATTCTTCTCAGGCAATTGAGAAAGCCA
 ATGAACCTGGCCAATGTGGAGAAGTCCATCATTGAACATCAAGATTTGCTGAGGCAGATCCGCTCATACCC
 TCGTCAGAAGATGAAGAAGCCTGATTTGCATCCAGGTGATACAGAGCATACCCAGGATCAGGCTGACCAG
 GTATGCCCTACCTCTAATCCTGAGGAGTCAGCTAATGCAGACCTTTATACCTGCAGGCCGGCTTACACCC
 CCAAACCTCATCAAAGCAAAGTCCACCAAGTGTTTTGACAAGAAGTTGAAGACCTTGGAGGAACTCTGTGA
 CACTGAGTATTTCACTGAGACCTTGGCCAGCTTAGCCACATTGAACACATGTTTCAGAGGGGACCTGTGC
 TACCTCCTGACCACTGAGATTGACAGAGCACTTCGAAAACAACAGCCCATAAACAAATTTCTCTTTGAAG
 ATTTTGTAGAGGTTGATGACAGGATGGAGAAGCAAGAGAATGTGCCCTCTCAACCCAGTCACGGCAGGCT
 GCCTTCCAAGCCTGTAGAAGAATGCCCATTTCTAAAGTGTTAATTAGTGTTGGCTCTTACAAGTCCAGT
 GTGGAGTCTGTATTGATCAAGATGGAGCAGGAACCTGGAGACGAAGAATACAAGGAAGTAGAGGCAACAG
 AGTCAAGCAGTTTTGACCCCAAGAAAACCTGGACTACATGGGTATGGATATGAAGGGAGCATCAGTAG
 TGGGGAAAGCATTGAGGTTCTGGGCACTGAGAAGTCAGCTTCTGTGTTGTCGAAATCTGACAGCCAGGCT
 AGCCTCACCGTGCCATTGAGCCCCATGTAGTCCGTAGCAAAGCGGTGAGCCACAGGACAATCAGTGAGG
 ACAGCATTGAAGTCTTAAGCACCTGCCCTTCTGAGGCCCTCATTCTGATGACTTTAAGGCCAGCTACCC
 AAGTGCCATTAATGAAGAAGAAGCCTATGCAGACAATGAGGGGGCCATCCATTTCCAGGCAAGTGCCAGC
 TCACCAGAACTAGATGAGACTCAGGAGGGCAACTTAGAAAATATCCCATCCCAATAGACTCCAGCTGCT
 GTATTGGAAGGAGAGTGAAGGTCAGTTGGTGCTCTCCCCACCCAGCTTACACCTTTCTGATGAGGA
 TGGTGTTGAGCATTCCCCACAGCGCTACATACAGAAGGACCAGGGGCTCCACATGGACTTCGGGATG
 GAGAACACTGACCCTTCTCCCCGAGACAACAGTTGTGAAATGTTCCAGCTTATGATCTGGATCCAAGCT
 GCCTTCTGGCTAGCCGAGATATTAGTAAGATGAGCCTGGATAACTACTCGGATAGCACTAGCTACATGGG
 CAGTGTGGCCTCTACCAGCTCGGACAGAATCCCTCTGCTCCTCTGCTGGCCTATCCTCTGAGAGGCAC
 AAAAAGAGAGCTGGCCAGAATGCCTTAAATTCATCCGCCAGTACCCTTTTGGCCACCCAGCCATCTACT
 CCCTGCTCAGTGGGAGGACACTTGTGGTCTGGGCGAAGATGAAACCATAGTCAGGAAGCTGGTAAGTGC
 ACTGTCCATCTTCGTTCCCAACTATGGCTGCTATGCCAAGCCCGTGAAGCACTGGATTTCTCTCCCTTTG
 CATATTATGGATTTTCAGAAGTGGAAGCTTATTGGCCTACAAAGAGTGGCCTCTCCTGCCAATGTGGGTA
 CCCTTCATACCCTGAGCCGTTACAGCCGCTATACAAGCATCCTGGACCTGGACAGCAAGACTCTACGTTG
 TCCCCTGTACAGGGGTACACTGGTACCCCGCTGGCTGACCACCGCACTCAGATCAAGCGGGGCAGCACA
 TACTACCTTCATGTCCAGAGCATGCTACCCAGCTCTGCTCCAAGGCATTCTCTATACCTTTTGCCACC
 ACTTGCAATTTGCCTGCTCACAGTGAGGAGACACAAGAAGCAGTGGCCAGCAGACAAACAGCTTCCTAAA
 GCTAAACCTGGGACTAGTGAATGAGGACATCAGAGTGGTACAGTACCTGGCCGAGCTGTTGAAATTGCAC
 TATATGCAGGAGTCACCTGGGACCACCCACCCACTGCTCAGGTTTGACTATGTCCCAGCTTTTTATACA
 AAATCTAA

 A**CGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001191919
Insert Size:	2808 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001191919.1, NP_001178848.1</u>
RefSeq Size:	3274 bp
RefSeq ORF:	2808 bp
Locus ID:	497918
Cytogenetics:	10q22