

## Product datasheet for **RN211138**

### Sh3rf1 (NM\_198764) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3rf1 (NM_198764) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sh3rf1
Synonyms:	Posh; Sh3md2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211138 representing NM\_198764  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGATGAGTCTGCCTTGTGGACCTTCTGGAGTGCCCTGTGTCTAGAACGCTTGGATGCTTCCGCAA  
 AGGTCTTACCCTGCCAGCACAGCTTTTGC AAACGATGTTTCTGGGGATTGTGGTTCCCGAATGAACT  
 CAGATGTCCCGAATGCCGACTCTTGTGGCTCTGGGGTTGACGAGCTCCCCAGTAAACATCTACTGGTC  
 AGACTTCTGGATGGCATCAAGCAGAGGCCCTTGGAAACCCGGCCCTGGTGGGGGCGGCTCGACCACCTGCA  
 CAAATGTATTAAGGGCGCAGGGCAGCACTGTGGTTAATTGTGGCTCAAAAGATCTGCAGAGCCCCAGTG  
 TGGACAGCAACCTCGGGTCAAGCCTGGAGCCCCCAGTGAGGGGAATACCTCAGTTACCGTGTGCCAAA  
 GCATTATATAACTACGAAGGAAAAGAGCCCGGAGACCTTAAGTTCAGCAAAGGCGACATCATTTTTGC  
 GACGACAAGTGGATGAAAATTGGTACCATGGAGAAGTCAACGGGGTCCACGGCTTTTTCCCACTCACTT  
 TGTGCAGATCATCAAACCTTTACCTCAGCCCCACCTCAGTGCAAAGCACTTTATGACTTTGAAGTGAAA  
 GACAAGGAGGCTGACAAAGATTGCCTTCCCTTTGCAAAGGATGACGTACTGACTGTGATCCGCAGAGTGG  
 ATGAAAACCTGGGCTGAAGGAATGCTGGCAGATAAAATAGGGATATTTCCAATTCATATGTTGAGTTAA  
 CTCAGTGCCTAAGCAGCTGATAGAGTGGGATAAGCCTCCGGTACCAGGAGTGGACTGCAGAATGCCCT  
 TCAGCGACAGCGGCGCAGAGCAGCTCTGCCTCAAAGCACTCCGATACCAAGAAGAACCAGGAAGCGAC  
 ACTCCTTACCTCCCTCACCATGGCCAACAAGTCTTCCAGGGCTCCAGAACCGCCACTCCATGGAGAT  
 CAGCCCTCCTGTGCTTATCAGCTCCAGCAACCCACGGCCGACGCCGCATCAGCGAGCTCTCCGGGCTC  
 TCCTGCAGCGCCCGTCTCAGGTTCAATAAGCACCCTGGGTTAATTGTGACCCACCCCTAGCAGCC  
 CAGTGACAACCTGGCCCTTCGTTACAGTTCCTCAACCGACGTCCTTACCAAGCTGCCCTTGGAAACGATGAA  
 TCCTCCTCTCCCCCACCCCTCTCCTGGCCACCACTGTACTCGCTCTACACCGTCAGGGCCTACTGCT  
 GCTGCCGTTGCTGCTGCTGCTGCTGTTGCTGCTGGAGTGGGACCCAGGCCTGCAAGTGGGATCCACGG  
 AACAGATCGCACATTTACGGCCGACAGCCGTCCTCAGTGTATATGTTGCTATATCCATACACTCCCCG  
 GAAGGAAGACGAACTGGAGCTGAGGAAAGGCGAGATGTTTTGGTCTTCGAGCGTTGCCAGGACGGCTGG  
 TACAAAGGAACGTCAATGCACACCAGCAAGATCGGCGTTTTCCCGGCAACTATGTGGCACCCGTCACAA  
 GGGCGGTGACAAATGCCTCCCAAGCTAAAGTCCCTATGTCTACAGCGGTGAGGCAAGTCTGGGGTGC  
 TATGGTCACTCCTCCACCGCAGGAGGGCTGCACAGAAGCCCCAAGGAAATGGCGTGGTGGGAATCCC  
 AGCGTCTGCCACAGCTGTGGTGTGAGCAGCTCATATCCAGACAAGTCCCAGGCTAAGTCTGCTGTC  
 ACATGACTGGGCAGATGACAGTCAACCAGGCCGAAATGCTGTGAGGACAGTTGCAGCACATAACCAGGA  
 GCGCCCCACAGCAGCAGTGAATCCCATCCAGGTCAGAAATGCAGCCTGCATCGGTCTGATCTGTAGGC  
 CTGCCCATCATTTCTCTGGCCTCCCAACCTCTGCCTCAAATGGTAGGTCCTGCTGCCACATTGCTGCCG  
 TCAACATCAATCGAACCAAGTGTCCCCCTGGCCTGCGCTGCAGGGGCATCCTCTCTGGCCTCCCCAACAT  
 GACCACTGCTGCTTTGGAGACGGAGCCAGTGGTGGACAGTGCATCCTCCCTGGACTCCCCACATCT  
 CCTGAGAGTGTGCATCGGCCTGTGGGAACAGTTCAGCTGTGAAACCAGACAAGGACAGTAAGAAAGAAA  
 AAAAGGGCCTATTGAAGTGTCTTCTGGCGCTCCACCAACGCAAGCCCGAGTCTCCCTCCAGCATC  
 ACCTACCCTGGACGTGGAGCTGGGTTGAGGGGAGGTTCCCTTGCAGGGAGCAGTGGGTCCTGAGTTGCCG  
 CTAGGGGGCGTCCATGGCAGAGTGGGGTCTGCCCCACCGATGGGGATGGTCCAGTGGCCGACGGGACAG  
 CAGCCTTAGCCAGGATGCCTTCCATCGCAAGACAAGCTCCCTGGACTCCGCAGTCCCCATCGCTCCACC  
 ACCTCGCCAGGCCTGCTCCTCCCTGGGTCCAGTAATGAATGAGGCCAGGCCTGTTGTTTGTGAAAGGCAC  
 AGAGTGGTGGTTTCTATCCTCCTCAGAGTGGGCGAAGTCAACTGAAAGAAGGAGATATTGTGTTTG  
 TTCATAAGAAACGAGAGGACGGCTGGTTCAAAGGCAGTTACAAAGAAACGGGAAGACTGGTCTTTTCCC  
 AGGGAGCTTTGTGAAAACAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_198764

<b>Insert Size:</b>	2685 bp
<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>	<u><a href="#">NM_198764.1</a></u> , <u><a href="#">NP_942059.1</a></u>
<b>RefSeq Size:</b>	2685 bp
<b>RefSeq ORF:</b>	2685 bp
<b>Locus ID:</b>	306417
<b>UniProt ID:</b>	<u><a href="#">Q71F54</a></u>
<b>Cytogenetics:</b>	16p12
<b>Gene Summary:</b>	putative scaffolding protein; involved in Rac-induced signal transduction pathways [RGD, Feb 2006]