

Product datasheet for **RN201936**

Shank3 (NM_021676) Rat Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Shank3 (NM_021676) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Shank3 |
| Synonyms: | Prosap2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >RN201936 representing NM_021676 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGGCCCCGGGGCCAGCGCCGTGGTCTGTCGCGTCGGCATCCCGGACCTGCAACAAACGAAGTGCC
TGCGTCTGGATCCAACCGCGCCCGTGTGGGCGCCAAGCAGCGTGTGCTCTGCGCCCTCAACCACAGCCT
TCAGGACGCGCTCAACTACGGGCTATCCAGCCTCCCTCCCGGGTTCGCGCCGGCAAGTTCCTGGATGAA
GAGCGGCTCTTACAGGACTACCCGCCTAACCTGGACACGCCCTGCCCTATCTGGAGTTTCGATAACAAGC
GGAGAGTTTATGCCAGAACCTCATAGATGACAAGCAGTTTGCAAAGCTGCACACAAAGGCAAACCTGAA
GAAGTTTATGGACTATGTCCAGCTACACAGCACAGACAAGGTGGCCCGCCTGCTGGACAAGGGGCTGGAC
CCCAATTTCCATGACCCTGACTCAGGAGAGTGCCCTCTGAGCCTTGACGACAGTTGGACAACGCCACTG
ACCTCCTGAAGGTTCTTCGCAATGGCGGTGCTCATCTGGACTCCGAACCCGAGATGGGCTAACCGCTGT
CCACTGCGCCACCCGACAGCGGAATGCGGGAGCATTGACGACCCTGCTGGACCTGGGGGCTTACCTGAC
TACAAGGACAGCCGCGGCTGACGCCCTGTACCATAGTGCCCTAGGGGGCGGGGATGCCTCTGCTGTG
AGCTGCTTCTCCATGATCAGCACAGTTGGGGACCACTGACGAGAATGGCTGGCAGGAGATCCATCAGGC
CTGTGCTTTGGGCATGTACAGCACTTGAGCACCTGCTGTTCTATGGGGCAACATGGGTGCCAGAAC
GCCTCGGGAACACAGCCTTGACATCTGTGCCCTCTATAACCAGGAGAGCTGTGCCCGCTCTGCTTTT
TCCGTGGTGCCAAACAAGGACGTCGCAATTACAACAGCCAGACAGCCTTCCAGGTGGCCATTATTGCAGG
GAACTTTGAGCTTGCCGAGGTAATCAAGACCCACAAAGACTCGGATGTCGTACCATTCAGGGAAACCCCC
AGCTATGCAAAGCGACGACGCTCTGGCTGGCCCGAGTGGCTTGGCATCCCCGCGCCCTTACAGCGCTCAG
CCAGTGATATCAACCTGAAGGGTGACCAGCCCGCAGCTTCTCCCGGGCCACTCTCCGAAGCCTCCCTCA
CCAAGTCTGCTCCAGAGGCTTCCAGGAGGAAAGACCGGGACAGGGATGGTGGCAGGAGAACGACATC
AGCGGTCCCTCAGCAGGACGGGGCGCCACAGCAAGATCAGCCCCAGCGGGCCCGGGGATCCGGCCCCG
CGCCCCGGCCCCGGCGTCTCCCGCGCCCCCGCGCCGCCCGGGGGCCGAAGCGGAAACTTTA
CAGTGGCTCCCGGCCCAAGTTCATCGCTGTAAGGCGCACAGCCCCGAGGGCGAGGGCGAGATCCCC



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CTGCACCGCGGAGGCCGTGAAGGTGCTCAGCATTGGGGAGGGCGTTTCTGGGAGGGAACCGTGAAGG
 GCCGTACAGGCTGGTTCCAGCTGACTGTGTGGAGGAAGTGCAGATGCGACAGTATGACACACGGCATGA
 AACTCGAGAGGACCGGACGAAGCGTCTTTCCGCCACTACACTGTGGGTTCCTATGACAGCCTCACTTCA
 CACAGTGATTATGTCAATTGATGATAAGGTGGCTATCCTGCAAAAAACGGGACCATGAGGGTTTTGGCTTG
 TTCTCCGGGAGCCAAAGCAGAGACCCCATTTAGGAGTTTACACCCACACCTGCCTTCCTGCGCTCCA
 GTACCTTGAGTCTGTAGATGTGAAGGTGTGGCCTGGAAGGCTGGCTTCGCACCTGGGACTTCCTCATT
 GAGGTAACCGGAGTGAACGTGTGAAGTTGGACACAAGCAAGTGGTGGTCTCATCCGTAGGTTGGCA
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 ACCACCTCCCAAGAGGGCCCCAGCACCACGCTGACCCTGCGGTCCAAGTCCATGACGGCTGAGCTCGAG
 GAACTCGCTTCCATTGCGAGAAGGAAAGGGGAGAAGTTGGATGAGATCCTGGCGTTGCTGCGGAACCAA
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 GATTACCCTGCCGAGATCAGCTCATTGTTGAGCGACAGGGCCTCCCGGCCCAGAGAAGCTGCCGGGC
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 GACCGCCCCGCCACCCACCCGCGCCCTACTACTTCGACTCCGGGCCACCCCCACCTTCTCACCACCG
 CCACCACCACCGGGCCGGCCCTATGACTGTGCGCTCCAGCTTCAAGCCAGGCCTGGAGGCTCGTCTGG
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 GCAGCCACACCGCCTGAGCGCCCAAGCGCCGGCCTCGGCCGTAGGCCCTGATAGTCCCTATGCCAACC
 TGGGCGCCTTCAGTGCCAGCCTCTTGTCCGTGCAAACCGCAGCGCCGCAAGAGTCCGTGGTGAAGCA
 GCTTTCAGTGGAGGACGCTCAGGAGCGCGGGCCTGGCCGTGGTAGCCGGGACCAGTGGGTGGAAGC
 TTTGCACGAGAACCCTCCCAACGCACCGGGCCCGACCGGGCGCCTTGACTACAGCTTGGAGAAG
 GCGGGGCTCACCTTTGGCGGCCCTAGCCCTGGCCAGTCAAGGAGCGCGCCTGGAGAGCAGCAGCCG
 TTCCACTGTGTTCTGTCTGTGGTGCCATCGAGGGCAACCCTCCAGCGCGGATCTGCCATCCCTACAA
 CCCTCCCGCTCCATTGATGAGCGCTCCTGGGACAGGCGCCACCACTGGCCGAGATTTGCTGCTCCCT
 CCCCTGTCTGCTCTGAAGCCATTGGTCGGTGGTCCCAACCTTGGGCCCTCAAGCTCCACCTTATCCA
 TCCTCTTACTGGCAAACCTTGGATCCTAGCTACCCCTAGCTCTTGCTGCTGGCTGCCGAGAGCGGGCT
 CTGGCCTCGCAAACACCTTCCCGGTCCCCACACCCGTGCACAGTCTGATGCTGACCGCCTGGACCCC
 TCTTTGGATGTGCAAACCGAGACTCCGAGAGAGGACCCTTGGCCTCCCGAGCCTTCTCCCTCGGAG
 TCCAGCCTGGATTCCAGTGCCTGCTCGCAGAGAGGAGAGAGCCACTCGGGAAGAGCGGAAGTACCA
 GAGGACAAGAAATCCATGATCCTCAGCGTCTTGGACACGTCCTTGAACGGCCAGCTGGCCTCATTGTTG
 TGATGCCACCAGCAATGGACAGGAGCCCAACAGGCTGGGGGTGAAGAGGAGGCCCGGGTACTCCGGA
 GCTGGCCCAACCCCATGCAGGCAGCAGCTGTGGCAGAGCCATGCCAAGCCCACGAGCCCAACCCCT
 GGCAACATCCCAGCAGATCCCGGGCCAAGCCAAGGCAACTCAGAGGAGGAGCCAAAGCTGGTATTCGCTG
 TGAACCTGCCACCTGCTCAACTGCTCCTCAACGATGAGGAGACCAGAGAGGAGCTGGCCCGCATTGGGCT
 AGTGCCACCCCTGAAGAGTTTGCCAATGGGATCCTGCTGGCCACCCACCCACAGGACCGGGCCCTTG
 CCCACCAGGTACCCAGCCGGCCTCAGGGAAGCCAGCAGCGAGCTGCCCTGCCCGGAGTCTGCAG
 CTGACTCTGGAGTAGAGGAGGCCGACACTCGAAGCTCCAGTGACCCCACTGGAGACCAACAAGCACC
 TTCCACAGTGTCCAGCATGTCCACCCTGAGCTCGGAGAGTGGAGAACTCACTGACACCCACACCTCTTT
 GCCGATGGACACACTTTTCTACTCGAGAAGCCACCAGTGCCTCCCAAGCCAAACTCAAGTCCCGCTGG
 GGAAGGGGCGGTGACCTTACGGGGCCCGCTGCTGAAGCAATCCTCGGACAGTGAAGTATGGCCAGCA
 GCACCATGCCACCTTACTGGTTGACTTCTGCTGCTGGGCTGCCCGCCTCGTACTCTTCCAGAGA
 AGGTCCAAGCTGTGGGGGACCCCGTGGAGAGTCGGGGCTCCCTGGGCTGAGGATGACAAACCAACTG
 TGATCAGTGAGCTCAGCTCCCGTCTGCAGCAGCTGAATAAAGACACTCGCTCCTTGGGGGAGGAACCAGT
 TGGTGGCTGGTAGCCTGCTGGACCCTGCTAAGAAGTCGCCATTGCAGCAGCTCGCTGCGCGGTGGTC
 CCGAGTGCCGGTGGCTCTTTCAGCAGCCTCGGTGAGCTGAGCACCATCTCAGCGCAGCGAGCCCGGGG
 GCCCGGGCGGAGGGCCTCTACTCGGTGCGGCCAGCGCCGCTACCCGTGGCGAGACGAGCCCGAG
 CCCAGTGAACCCGCATCGCTGGAGCGGTGGAGGGGCTGGGGCGGGCTGGGAGGCGCGGGGCGGCC
 TTCGGCCTCACGCTCCACCATCCTCAAGTCGTCCAGCCTCTCCATCCCGCACGAACCAAGGAAGTGC
 GCTTCGTGGTGCAGAGTGCAGTGCAGCGAGCCGCTCCCCCTCACCATCTCCGCTGCCCTCGCTTCTCC
 TGGCTCTGGCCCAAGTGCAGGCGCGCTCGGCCATTTCAACAGAAGCCCTGCAGCTTTGGAGCAAGTTC
 GATGTGGGCGACTGGCTGGAGAGCATCCACTTAGGCGAGCACCAGACCCTTCGAGGACCATGAGATCG

AAGGCGCACACCTGCCTGCGCTACCAAGGAAGACTTCGTGGAGCTGGGAGTCACACGCGTTGGCCACCG
CATGAACATCGAGCGTGCCTCAGGCAGCTGGATGGCAGCTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

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| Restriction Sites: | SgfI-RsrII |
| ACCN: | NM_021676 |
| Insert Size: | 5223 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: | <ol style="list-style-type: none">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_021676.1, NP_067708.1</u> |
| RefSeq Size: | 7391 bp |
| RefSeq ORF: | 5223 bp |
| Locus ID: | 59312 |
| UniProt ID: | <u>Q9JLU4</u> |
| Cytogenetics: | 7q34 |
| Gene Summary: | may be involved in the structural and functional organization of the post synaptic density [RGD, Feb 2006] |