

Product datasheet for **RN200191**

Shank2 (NM_133440) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Shank2 (NM_133440) Rat Untagged Clone
Tag: Tag Free
Symbol: Shank2
Synonyms: CortBP1; ProSAP1; Spank-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200191 representing NM_133440
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGAGCGTCCCCGGCGGTGGAGCAGCCACCGTGATGATGACCGGTTACAATAATGGTCGCTATCCCC
GGAATTCTCTACAGTGACTGCATTATTGAGGACAAGACGGTGGTCTGCAGAAGAAAGACAACGAGGG
CTTTGGATTTGTGCTCCGAGGGGCAAAGCTGATACCCCCATTGAGGAATTCACACCCACGCCGGCATT
CCAGCCCTGCAGTACCTGGAGTCCGTGGATGAAGGAGGGGTGGCATGGCAAGCCGGACTAAGACCAGGG
ACTTCTTGATTGAGGTTAACAATGAAAATGTCGTCAAGGTGGGCCACAGGCAGGTGGTGAACATGATCCG
CCAGGGAGGGAATCACCTCGTCCTTAAGGTCGTACCGGTGACCAGGAATCTAGACCCTGATGATACAGCC
AGAAAGAAAGCTCCCCACCTCCAAAGCGGGCTCCGACCACGGCCCTCACCTGCGTTCCAAGTCCATGA
CAGCGAATTGGAGGAATCGTGGATAAAGCCTCAGTCCGGAAGAAGAAGGATAAACCAGGAAGAGATAGT
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CGGCCACAAGCCGGTGCTTTCCAGCTGCCTCTGATGTGAACCTCGTGTACGAGCGCCAAGGGATTGCTG
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GCAGAAATCGATAGACAGCAGAATCTTTCTATCAGGGATAACAGAGGAAGAGCGGCAGTTTCTGGCTCCC
CCAATGCTGAAGTTCACCCGAAGCTTGTCCATGCCAGACACTTCTGAGGACATCCCCCTCCGCCACAGT
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ACTGTGGCCACCATGATGCGGGAAAAGGGGATGTTCTACAGGAGAGAGCTGGACCCTTTTCCCTGGACT
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GAACCCGTAICTCGAGGTGGGAAAGATAGCCAGCAAGGCCGTCTATGTCCTGCCAAGCCAGCCAGGCGG
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CCCCAGGCCACTGAGCCCGGCCAGCTGCGGCCAGATGACAGCCTCACCGTCAGCAGCCCTTTCGCGGCA
GCCATCGTGGGGCCGTGCGTGACCGGGAGAAGCGTCTGGAAGCCAGGAGGAATCCCCGGCCTTCTCT



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CCACCGACCTGGGAGATGAGGACGTGGGTCTGGGGCTCCTGCTCCCCGGATGCAGCCCTCCAAGTTTCC
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AGGGAGCTGGAGAACCATTCTAGGTGGTGGTGGGCTGGTCTCAGGGGGAGGCTGGGGGACCCTGA
GTTCCACATCAAAGCCAAGGGGCTGAAAGTGGCCAGCAGCCGCCCTCAAGAGCAGCAGCCAGCCAG
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GGGAGAGCATGGATACTTGACAGTCTATGCAGACGGGCAAGCCTTTGTGGTTGACAAGCCCCAGTACC
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TCATGAGCACTGTCTCAGGTACACGGAGACGACGGTCACTTCACTGTCCGCCCGGAACCTCCCAGCC
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CCCCACACTCTCAGATGTCTTTAGCCTTCCAAGCCAGTCCCCTGCAGGGGACCTCTTTGGCTTGAACCC
AGCAGGACGCAGCAGGTACCATCTCCTCAATATTGCAACAGCCAATCTCAAATAAGCCTTTTACAAC
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AGGAGACGTTTCATGGACAATGAGATTGACGGCAGCCATCTGCCAACCTCCAGAAGGAAGACTTGATAGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_133440

Insert Size:

3780 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_133440.1](#), [NP_597684.1](#)

RefSeq Size: 7688 bp

RefSeq ORF: 3780 bp

Locus ID: 171093

UniProt ID: [Q9QX74](#)

Cytogenetics: 1q42

Gene Summary: binds to cortactin and alpha-latrotoxin receptor and is involved in the structural and functional organization of the post synaptic density [RGD, Feb 2006]