

Product datasheet for **RN202398**

Spon1 (NM_172067) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spon1 (NM_172067) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Spon1
Synonyms:	Sponf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202398 representing NM_172067
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCTATCTCCCGGCCCTGAGGCTTAGCCGGGTCGGCGCTGCTGGCCCTGGCGTGCCCTGG
 CCGCAGCGCTCGCTTCTCGGATGAGACCCTGGACAAAGTGCCAAAGTCGGAGGGCTACTGCAGCCGAT
 CTTGCGCGCCAGGGCACACGGCGTGAGGGATACACAGAGTTCAGCCTCCGCGTGGAAAGCGACCCTGAC
 TTCTATAAGCCAGGAAGCAGCTACCGAGTGACACTCTCGGCTGCCCTCCCTCTACTTCAGAGGTTCA
 CGTTAATTGCTCTCAAAGAGAACC CGGAAGCGATAAGGAAGAAGACCACGCGGGCACCTTCAGATCAT
 AGATGAAGAAGAAACCCAGTTTATGAGTAACTGTCCTGTGGCAGTCACTGAAAGCACCCCTCGGAGGAGG
 ACACGGATCCAGGTGTTTTGGTAGCGCCACCCACAGGGACAGGCTGTGTATTCTGAAGCCAGCATTG
 TACAGAAACGCATTATCTATTTTCAAGACGAGGGCTCCCTGACCAAGAAGCTGTGTGAACAGGATCCAC
 ACTTGATGGAGTGACGGACAGACCGATCTTAGACTGCTGCGCCTCGGAACTGCCAAGTACAGACTCAG
 TTTTATGGGAACTGGTCGGAGAAGACTCATCAAAGGATTACCCTCGTCGGGCTAATCACTGGTCTGCCA
 TCATTGGCGGATCCCCTCCAAGAACTACGTGCTGTGGGAGTACGGAGGGTATGCCAGTGAAGGGGTCAA
 GCAAGTTGCTGAACTTGCTCACCAGTAAAAATGGAGGAAGAAATTCGACAAACAGAGTGATGAAGTCCTC
 ACTGTCATCAAAGCCAAAGCCAGTGGCCATCCTGGCAGCCTGTCAATGTGAGAGCAGCACCCCTCAGCCG
 AATTCTCAGTGGACAGGACACGCCACTTGATGTCTTCTTAACCATGATGGGCCCCAGTCTGACTGGAA
 CGTGGGCCATATGTCAGAGGATCTGTGCACCAAGGAGTGTGGCTGGTCCAGAAAGTGGTGCAGGACCTA
 ATCCCTGGGATGCTGGCACGGACAGCGGGTGACCTACGAGTACCAAAACAAGCCACAATTCTCAGG
 AAAAAATCCGACCCCTGACTAGTCTGGACCATCCTCAGAGTCTTTCTATGACCCGGAAGTGGTCCAT
 CACACAAGTGGCCAGAGTCGTATCGAGAGAATTGCCCGGAAGGAGAACAATGCAACATTGTACCTGAC
 AATGTGGATGATATTGTAGCCGACCTGGCTCCAGAAGAGAAGATGAAGATGACACCCCTGAAACCTGCA
 TCTACTCCAACCTGGTCCCATGGTGGCCTGCAGCTCTTCCACTGTGAAAAGGGTAAGAGGATGCGGCA
 ACGCATGTGAAGGCACAGCTGGACCTCAGTGTCCCTGTCTGACACCCAGGACTTCCAGCCCTGCATG
 GGCCCCGGCTGCAGCGATGAAGATGGCTCCACCTGTACCATGTGCGGAGTGGATCACCTGGTACCCTGCA
 GTGTCTCGTGTGGCATGGGTATGAGGTCCCGGAGAGGTACGTGAAGCAGTTCGCCGAAGACGGCTCGGT
 GTGCATGTGCCACGGAAGAGACAGAGAAGTGCACGGTCAACGAGGAGTGTCTCTAGCAGCTGCCTG
 GTGACTGAGTGGGGTGTGGGTGACTGCAGCGCCACCTGTGGAATGGGCATGAAGAAGCGGCACCGCA
 TGGTCAAGATGAGCCCCGCGACGGCTCCATGTGCAAGGCGGAGACTTCGCAGGCGGAGAAATGCATGAT
 GCCTGAGTGCCATACCATCCCCTGCTGTCTCCTTGGTCCGAGTGGAGCGACTGTAGCGTGACCTGT
 GGAAGGGCATGCGGACGCGCCAGCGGATGCTCAAGTCTCTGGCAGAGCTGGGGACTGTAATGAGGATC
 TGGAGCAGGCGGAGAAGTGTATGCTGCCAGAGTGCCCCATTGACTGCGAACTCAGTGAGTGGTCCCAGTG
 GTCTGAATGTAACAAGTCTGTGGGAAAGGTCACATGATTCGAACCCGGACAATCCAATGGAACCTCAG
 TTTGGAGGTGCACCCTGCCAGAGACTGTGCAACGCAAGAAGTCCCGTGGCCGAAATGCCTTCGCAGCC
 CATCGATCCAGAAGCTGCGCTGGAGGGAGGCCGAGAGAGCAGGAGGAGTGAGCAGCTGAGGGAAGATC
 AGATGGAGAGCAGTTCCAGGCTGTGGATGCGCCCGTGGACAGCCTGGTCAAGTGCACCAAACTGTGC
 GGAGGTGGGATCCAAGAACGCTACATGACTGTGAAGAAGAGGTTCAAAGCTCCCAGTTTACCAGCTGCA
 AAGACAAGAAGGAGATCAGAGCGTGCAACGTGCACCCCTGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_172067
 Insert Size: 2424 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:	NM_172067.1 , NP_742064.1
RefSeq Size:	4029 bp
RefSeq ORF:	2424 bp
Locus ID:	64456
UniProt ID:	P35446
Cytogenetics:	1q33
Gene Summary:	promotes cell attachment; may play a role in axon guidance in the spinal cord and peripheral nervous system [RGD, Feb 2006]