

Product datasheet for **RN214444**

Sparcl1 (NM_012946) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sparcl1 (NM_012946) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sparcl1
Synonyms:	Ecm2; Sc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN214444 representing NM_012946
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGCCGTGCTTCTCCTCTGTATGCCTTGGGGATCGCTGCTGCAGTCCCGACAACGTTTCTCTCTG
 ATCATTCCAACCCAACCTCCGCAACACTGCCGACTGGAAGATGCTACAGTCCCCACTGTCCCAGCTGA
 AGCTGCAGCAGACATAGAAAAGCACCCCAACCATAAGGCTGAAAAACCTTCAGCACTGAACCTCAGAAGAG
 GAAGCCCATGAACAGTCGACAGAGCAGGACAAAACCTACAGCTTCGAGGTGGACCTGAAGGATGAGGAGG
 ATGGGGATGGGGATTTAAGTGTAGATCCGACGAAAGAACGCTAGATCTACAGGAAGGGACAAGCGAACC
 GCAGCAGAAAAGGCTCCCGGAGAACGCCGATTTCCCTGCTACTGTGTCCACTCCCTTTGTGGATTCTGAC
 CAACCTGCAAATATCACAAGGGGAGAGGAGTCAAGGACCACTGTAAGTACTCGCACCAGCAACAGG
 ACGAGAGCGGCAAGCAGACCCAAGACTCGATGACTGAAGAAAGCCACAAACAAGATCCGGGTATTCCTAA
 TGAAGAAAAGGAAGAAGGGAAGATCCAGAAGACGTTGGTGCACCCAGTGATAACCAAGAGGAAGAAAAA
 GAACCACCCGAGGAGCAGCTACCAGCAAGTGGGAAGGAAACGGAGACCAATCTGAAGACATCTTACAAG
 AGTCCAGTCAGCCAACCTCAGATAAGCAAGACAAAAGATGATTTCCGAGCAAGGAAGCAAGGGCAAGAGGG
 TGAATCTAATGCAGAAGGGGAGGACAAGGCAGCAGGCAGCAAGGAACACCTTCCGCATACGGAGTGGCAG
 GGCCAAGAAGGGGAGAGCTGGCCTTGACGCTATTGGCAACCGGAAGGACACAGATGAAGAAAAGGCTGTT
 CCACGGAACCTACCGATGCTGCCGTCGTGCCTAGGAACACCGGAGCCAGTGATAACGGGGGGCGGGATGA
 CTCTAAGCATGGTGAAGCGATGACTACTTCATCCCCAGCCAGGAATTCCTAGAGGCTGAAAAGATGCAT
 TCCCTCTCTATTACCTCAAATACGGAGAGGAGACGCCGGACGAGAGCGAGAACCAGGAGGCTGGAG
 ACAACCAAGGGGCAAGAAAGCTGAGAGCTCACCAAATGCTGAACCGTCCGATGAGGGCAACTCAAGGGG
 GCACAGTGTGATTCTTGATGAACCTCCAGTGTAAAAGGGGACACACTTGCAAAAACGGATCAACACGGA
 AAACCCCACTGTGTTTGCCAAGATCCAGAGACGTGTCCCCTGCAAAAATCCTCGACCAAGCTTGTGGCA
 CTGACAACCAGACCTACGCCAGCTCCTGTACCTGTTTGTACCAAGTGCATGCTGGAAGGGACCAAAAA
 GGGACACCAGCTGCAGTTGGATTACTTTGGAGCTTGCAAACTATTCTGCTTGTACGGACTTCGAAGTG
 GCTCAGTTTCCGCTGCGGATGAGAGACTGGCTCAAAAACATCCTCATGCAGCTTTACGAACCAACCCCA
 AACATGGCGGCTACCTAAATGAAAAGCAAAGAAGCAAAGTCAAGAAAATTTACCTGGATGAAAAGAGACT
 CTTGGCTGGAGACCACCCATTGAACCTTCTTAAAGGACTTCAAGAAAACTACCACATGTATGTGTAT
 CCTGTGCACTGGCAGTTTAAACGAATTGGATCAGCATCCTGCGGACAGGATCTTGACACATTTGAACTTG
 CGCTCTGCGAGCTTCCCTGGTGCATGGAGCACTGCATAACCGCTTCTTTGAGGAGTGTGACCCCAA
 CAAGGACAAGCATATCACCTGAAGGAATGGGGCCACTGCTTTGGAATTAAGAAGAAGACATAGATGAA
 AACCTCTCTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012946
- Insert Size:** 1905 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_012946.1](#), [NP_037078.1](#)

RefSeq Size: 2676 bp

RefSeq ORF: 1905 bp

Locus ID: 25434

UniProt ID: [P24054](#)

Cytogenetics: 14p22

Gene Summary: putative extracellular matrix glycoprotein that binds calcium and plays an important role in the developing brain [RGD, Feb 2006]