

Product datasheet for **RN201414**

Sil1 (NM_199376) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sil1 (NM_199376) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sil1
Synonyms:	MGC72590
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201414 representing NM_199376
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCTCAGCACCTGCCTTCAACTAGGATGGCCCTCAAGGAATGCTGCTGGGGCTGCTGTTGGCTT
 CCTGTTTAACTTTCTGCCTCAGTTGTCAGAACTCAAATAATTTTGCACCTACCAACCCAGAGAAGAGTAC
 CCACGAGGACTCAGATACAAAGGAAACCAAGAGAGGAGGAGCTGGATGCCGAAGTCTAGAGGTGTTA
 AACCCAACCCAAGAGTGGCAGGCTCTTCAACCAGGACAGGCTGTTCTGCAGGATCCCATGTGCGAATGA
 ACCTACAGACTGGAGTAAACGAGGTGAACTCCAACAAGAAGACAAATCCAAAGTAATTGGAAAGGATT
 TAAAAGAGGCAGAAGGCTGGACATCAATACCAACACCTACACGTCTCAGGACCTCAAGAGTGCACCTGGCC
 AAGTTCAAGGAGGGGACAGAGATGGAGAATTCAAAGGATGAAGTGGCAAGACAGGCCACGGTAAAGCAGC
 TCTTCCGCCCATCGAGGAGCTGAAGAAGGAATTTGATGAGCTGAATGTTGTTCTTGAGACTGACATGCA
 GATTATGGTTTCGGCTGATAAACAAGTTCAACAGCTCCAGCTCTAGCCTGGAAGAGAAGGTTGCTGCACTC
 TTTGATCTTGAGTACTATGTCCATCAGATGGATAACGCACAGGACCTGCTGTCTTTGGTGGCCTTCAAG
 TGGTGATTAATGGGCTCAACAGCACAGAACCCTGGTGAAGGAGTATGCTGCTTTTGTGCTGGGGCCGC
 CTTTTCCAGCAATCCAAAGGTCCAGGTGGAAGCCATTGAAGGAGGAGCTCTGCAGAAGCTGCTGGTCATC
 CTGGCCACAGAGCAGCCTCTCCCGCCAAGAAGGTCCTGTTGCACTGTGCTCTTACTTCGCCACT
 TCCCTACGCCACGACAGCAGTTCCTGAAGCTCGGGGGCTGCAGGTCCTCAGGAGCTGGTGCAGGAGAA
 GAGTGCGAAGGTACTGGCCGTGCGAGTGGTCACCTTGTCTATGACCTGGTCACCGAGAAGATGTTTGTCT
 GAGGAGGAGGCTGAGCTGACCCAGGAGTCTCCAGAGAAGCTGCAGCAGTACCGGCAGGTGCAGCTCC
 TGCCCGGCTCGGGGAACAGGGCTGGTGTGAGATCACGGCCAGCTCCTGGCCCTCCAGAGCACGACGC
 TCGGGAGAAGGTGCTGCAGACGCTGGGGCCCTCCTCGCCACCTGCCGGGACCGCTACCGTCAAGACCTG
 GAGCTGAGCCGGACACTGGGCAGTCTCCAGGCAGAGTACCAAGCCCTGGCCTCCCTGGAGCTCCAAGAAG
 GTGAAGATGACGGCTACTTCGGGAAGTCTGGCTCCATCGACAGCTTGGTGAAGGAGCTAAGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_199376
- Insert Size:** 1398 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_199376.1](#), [NP_955408.1](#)

RefSeq Size: 1667 bp

RefSeq ORF: 1398 bp

Locus ID: 291673

UniProt ID: [Q6P6S4](#)

Cytogenetics: 18p11

Gene Summary: human homolog acts as a nucleotide exchanger; may play a role in protein folding in the endoplasmic reticulum [RGD, Feb 2006]