

## Product datasheet for **RR201414**

### **Sil1 (NM\_199376) Rat Tagged ORF Clone**

#### **Product data:**

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



[View online »](#)

**ORF Nucleotide Sequence:**

>RR201414 representing NM\_199376  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCCTCAGCACCTGCCTTCAACTAGGATGGCCCTCAAGGAATGCTGCTGGGGCTGCTGTTGGCTT  
 CCTGTTTAACTTTCTGCCTCAGTTGTCAAGAACTCAAATAATTTTGCCTACCAACCCAGAGAAGAGTAC  
 CCACGAGGACTCAGATACAAAGGAAACCAAGAGAGGAGGAGCTGGATGCCGAAGTCTAGAGGTGTTA  
 AACCCAACCCAAGAGTGGCAGGCTCTTCAACCAGGACAGGCTGTTCTGCAGGATCCCATGTGCGAATGA  
 ACCTACAGACTGGAGTAAACGAGGTGAACTCCAACAAGAAGACAAATCCAAAGTAATTGGAAAGGATT  
 TAAAAGAGGCAGAAGGCTGGACATCAATACCAACACCTACACGTCTCAGGACCTCAAGAGTGCCTGGCC  
 AAGTTCAAGGAGGGGACAGAGATGGAGAATTCAAAGGATGAAGTGGCAAGACAGGCCACGGTAAAGCAGC  
 TCTTCCGCCCCATCGAGGAGCTGAAGAAGGAATTTGATGAGCTGAATGTTGTTCTTGAGACTGACATGCA  
 GATTATGGTTTCGGCTGATAAACAAGTTCAACAGCTCCAGCTCTAGCCTGGAAGAGAAGGTTGCTGCACTC  
 TTTGATCTTGAGTACTATGTCCATCAGATGGATAACGCACAGGACCTGCTGTCTTTTGGTGGCCTTCAAG  
 TGGTGATTAATGGGCTCAACAGCACAGAACCCCTGGTGAAGGAGTATGCTGCTTTTGTGCTGGGGCCGC  
 CTTTTCCAGCAATCCAAAGGTCCAGGTGGAAGCCATTGAAGGAGGAGCTCTGCAGAAGCTGCTGGTCATC  
 CTGGCCACAGAGCAGCCTCTCCCGCCAAGAAGGTCCTGTTGCACTGTGCTCTTACTTCGCCACT  
 TCCCTACGCCACGACAGTTCCTGAAGCTCGGGGGCTGCAGGTCCTCAGGAGCTGGTGCAGGAGAA  
 GAGTGCAGAGGTACTGGCCGTGCGAGTGGTCACCTTGCTCTATGACCTGGTCACCGAGAAGATGTTGCT  
 GAGGAGGAGGCTGAGCTGACCCAGGAGTCTCCAGAGAAGCTGCAGCAGTACCGGCAGGTGCAGCTCC  
 TGCCCGGCTCGGGGAACAGGGCTGGTGTGAGATCACGGCCAGCTCCTGGCCCTCCAGAGCACGACGC  
 TCGGGAGAAGGTGCTGCAGACGCTGGGCGCCTCCTCGCCACCTGCCGGGACCGCTACCGTCAAGACCTG  
 GAGCTGAGCCGGACACTGGGAGTCTCCAGGCAGAGTACCAAGCCCTGGCCTCCCTGGAGCTCCAAGAAG  
 GTGAAGATGACGGCTACTTCCGGAACTGCTGGCCTCCATCGACAGCTTGGTGAAGGAGCTAAGAGTGAA  
 GATGACGGCTACTTCCGGAACTGCTGGCCTCCATCGACAGCTTGGTGAAGGAGCTAAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201414 representing NM\_199376  
 Red=Cloning site Green=Tags(s)

MAPQHLPSRMAPQGMLLGLLLASCLTFCLSCQNSNNFALTNPEKSTHEDSDTKETRREEELDAEVLEVL  
 NPTQEWQALQPGQAVPAGSHVRMNLQTVNEVKLQEDKFQSNWKGFKRGRRLDINTNTYTSQDLKSALA  
 KFKEGTEMENSKDELARQATVKQLFRPIEELKKEFDELNVVLETDQMIMVRLINKFNSSSSSLEEKVAAL  
 FDLEYVYHQMDNAQDLLSFGGLQVVINGLNSTEPLVKEYAAFVLGAFFSSNPKVQVEAIEGGALQKLLVI  
 LATEQPLPAKKKVLFALCSLLRHFPYAQQQFLKLGGLQVLRSLVQEKSAKVLAVRVVTLTYDLVTEKMF  
 EEEAELTQESSPEKLQYRQVQLLPGLREQGWCEITAQLLALPEHDAREKVLQTLGALLATCRDRYRQDL  
 ELSRTLQSLQAEYQALASLELQEGEDDGYFRELLASIDSLVKELRVKMTATSGNCWPPSTAW\*RS\*

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

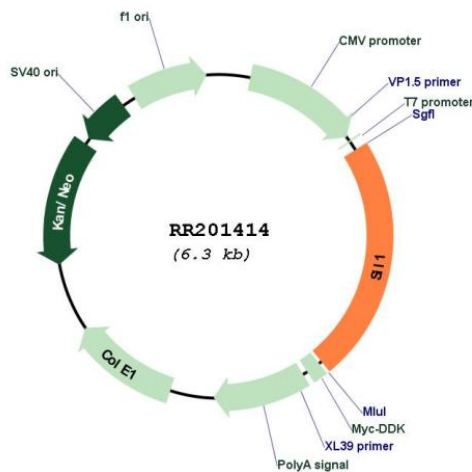
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_199376

ORF Size:

1395 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq Size:</b>	1667 bp
<b>RefSeq ORF:</b>	1398 bp
<b>Locus ID:</b>	291673
<b>UniProt ID:</b>	<a href="#">Q6P6S4</a>
<b>Cytogenetics:</b>	18p11
<b>MW:</b>	52.3 kDa
<b>Gene Summary:</b>	human homolog acts as a nucleotide exchanger; may play a role in protein folding in the endoplasmic reticulum [RGD, Feb 2006]