

## Product datasheet for **RR216090**

### Spcs2 (NM\_001191601) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spcs2 (NM_001191601) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spcs2
Synonyms:	RGD1311253
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR216090 representing NM_001191601 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCGGCGGGCGTGC**CAAGGCGGGAGAAGCGGCGGGCGGAGGCAGTAGTGGGCCTGGCGGGCC**  
CCAGCTGCGGGACAAGCAGTAGCCGAGTGGTTTGGTGGATAAGTGAAGATTGATGATAAGCCCGTGAA  
AATTGATAAGTGGGATGGATCAGCTGTGAAAACTCTCTGGATGATTCTGCCAAAAGGTTCTCCTGGAG  
AAGTACAAGTATGTGGAGAACTTCGGTCTCATTGACGGTCGCCTCACCATCTGCACCATCTCCTGCTTCT  
TCGCCATAGTGGCTTTGATCTGGGACTACATGCATCCCTTCCAGAGTCCAAGCCGTTTTGGCCTTGTC  
CGTCGTATCCTATTTTGTGATGATGGGGATTCTGACCATTATACCTCATATAAAGAGAAGAGCATCTTC  
CTCGTGGCCACAGAAAAGACCCTACAGGAATGGATCCTGATGATATTTGGCAGCTGTCCACGCCTCA  
AAAGGTTTGTGACAAATACACCCTGAAGTTGACCTTCATCAGTGAAGGACAAAGCAGCAGCGGGAAGC  
CGAGTTCACCAAGTCCATTGCTAAGTCTTTGACCACAGCGGGACATTGGTCATGGATGCATACGAACCT  
GAAATATCCAGGCTCCATGACAGTCTCGCCACAGAAAGAAAAATAAAA

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216090 representing NM\_001191601  
 Red=Cloning site Green=Tags(s)

MAAAASQGGRRSGGGGSSGPGGGPSCGTSSSRSGLLDKWKIDDKPVKIDKWDGSAVKNSLDDSAKKVLL  
 KYKYVENFGLIDGRLTICTISCFFAIVALIWDYMHPFPESKPVLALCVVSYFVMMGILTIYTSYKEKSIF  
 LVAHRKDPTGMDPDDIWQLSSSLKRFDDKYTLKLTFFISGRTKQQREAEFTKSIAKFFDHSGTLVMDAYEP  
 EISRLHDSLATERKIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001191601

**ORF Size:** 678 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).

**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\\_001191601.1](#), [NP\\_001178530.1](#)

**RefSeq Size:** 2956 bp

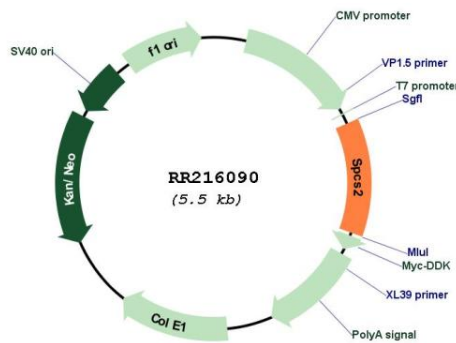
**RefSeq ORF:** 681 bp

**Locus ID:** 293142

**Cytogenetics:** 1q32

**MW:** 25 kDa

**Product images:**



Circular map for RR216090