

Product datasheet for **RR203734**

Srr (NM_198757) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srr (NM_198757) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Srr
Synonyms: MGC94291
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203734 representing NM_198757
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGTGCTCAGTACTGCATCTCCTTTGCTGATGTTGAAAAGCTCATCTCAACATTCAAGACTCTGTCC
ACCTCACACCAGTGCTAACAAGCTCCATTTTGAATCAAATAGCAGGGCGCAATCTCTTCAAATGTGA
ACTCTCCAGAAAAGCTGGTCTTTTAAGATTCGAGGTGCCCTAACGCCATCAGAGGCTTAATTCCTGAT
ACTTTAGAAGGGAAGCCAAAGCCGTTGTACTCACAGCAGTGGAAACCATGGCCAGGCTCTCACCTATG
CTGCTAAACTGGAAGGAATTCCTGCTTACATTGTGGTGCCTCAACAGCTCCCAATTGCAAGAACTGGC
CATCCAAGCCTACGGAGCATCTATAGTATACAGTGAACCGAGTGATGAGTCCAGAGAAAACGTCGCTCAA
CGAATTATACAAGAAACAGAAGGCATCTTGGTCCATCCCAACCAGGAGCCTGCAGTGATAGCGGGACAAG
GGACAATTGCCCTAGAAGTGCTGAACAGGTTCCCTTGGTAGATGCGTTGGTGGTACCAGTAGGAGGAGG
AGGAATGGTTGCTGGAATAGCCATTACAATTAAGACCTGAAACCTAGCGTGAAGGTGTACGCTGCTGAA
CCTTCCAATGCAGATGACTGCTACCAGTCTAAGCTGAAAGGAGAGCTGACCCCAATCTTCATCTCCAG
AGACCATAGCAGATGGCGTCAAGTCCAGCATTGGCTTAAATACCTGGCCTATTATAAGGGACCTTGTGGA
CGATGTCTTCACTGTACGGAAGATGAAATCAAGTATGCAACCCAGCTGGTGTGGGAAAGAATGAACTG
CTCATTGAGCCTACTGCTGGCGTCGATTGGCTGCAGTGTATCTCAGCATTTCCAAAGTCTCTCCAG
AAGTAAAGAACATCTGTATTGTAAGTCAAGTGGTGGGAATGTAGACTTAACCTCCCTAAGCTGGGTGAAGCA
GGCGGAACGGCCGGCTCCT

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203734 representing NM_198757
 Red=Cloning site Green=Tags(s)

MCAQYCISFADVEKAHLNIQDSVHLTPVLTSSILNQIAGRNLFFKCELFQKTGSFKIRGALNAIRGLIPD
 TLEGKPKAVVTHSSGNHGQALTYAAKLEGIPAYIVVPQTAPNCKKLAIQAYGASIVYSEPSDESRENAQ
 RIIQETEGILVHPNQEPAVIAGQGTIALEVLNQVPLVDALVVPVGGGMVAGIAITIKTLKPSVKVYAAE
 PSNADDCYQSKLKGELTPNLHPPETIADGVKSSIGLNTWPIIRDLDVDDVFTVTEDEIKYATQLVWERMKL
 LIPTAGVGLAAVLSQHFQTVSPEVKNICIVLSGGNVDLTSLSWVKQAERPAP

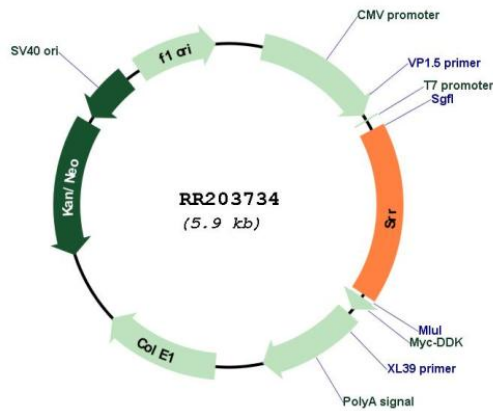
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198757

ORF Size: 999 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:	<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_198757.2 , NP_942052.1
RefSeq Size:	2052 bp
RefSeq ORF:	1002 bp
Locus ID:	303306
UniProt ID:	Q76EQ0
Cytogenetics:	10q24
MW:	35.7 kDa
Gene Summary:	catalyzes the conversion of L-serine to D-serine [RGD, Feb 2006]