

Product datasheet for **RR206698**

Serinc5 (NM_133395) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serinc5 (NM_133395) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serinc5
Synonyms:	Tpo1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR206698 representing NM_133395
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGCCCGGTGCTGTGCTGGCCAGTTGGCCTGCTGCTGCGGATCTGCTGGTTGTGCCCTCTGCTGTG
 GCTGCTGCCCTAAGTTCGGCAATCTCGGAGCACCCGCTTCATGTATTTATTCTACTTCACCCTGGTCAT
 CATCCCCTGCTGCGTGATGATGTACCCTCTGTGATGAAGCAGATGACGGAGCACATTCCCTTTTTTGA
 GACTTCTGTAAAGGCATCAAAGCGGGCGACACCTGTGAGAACCTGGTGGGCTATTCGCGGTGTACAGAG
 TCTGCTTTGGAATGGCTTGTCTTCTTTGTGTTTGTGTGCTGACCTTCAAAGTCAACAACAGCAAAAAG
 TTGTGGGCTCCATTCAACAACGGCTTTTGGTTCTTAAATTGCTGCTGTAGGGGCCATGTGTTCAAGG
 GCATTCTTCAATCCAGATCAGGAGACCTTCTGAATGTCTGGCGTATGTGGAGCTGTGGGAGCTTCT
 TCTTCATTTGATCCAGCTCCTCCTGATTGTGGAGTTGCACATAAATGGAACAAGAAGTGGACTGCAGG
 CACCGTCCGTAATAAGCTGTGGTACGCCCTCCTGTCGCTGGCGACTCATCATGTATTCATTGCCGTT
 GCGGGCTTGGCCTTGATGGCAGTGTCTACACACAGTGGGATGACTGCATGGACAACAAGATTCTCCTGG
 GAGTGCACGGTGGCCTATGCGTGCTAATCTCTCTGGCAGCCATCTCACCTGCGTCCAGAATCGACAGCC
 ACACTCTGGGCTGCTGCAGCCAGGGCTCATAAGCTGCTATGTCACCTACCTCACCTTCTCAGCACTGACC
 AGCAAGCCCGAAAAAGTAGTCAAAGATGAACACGGGAAGAATGTCACCATATGTGTGCCTGACTTCGGGC
 AAGACTTTCGTCGAGATGAAAGCATGGTACCTGGCTGGGACCCCTTCTCTTAGTTGTGTGCATCTCATA
 TTCATGTTGACATCGACGACGAGGTGAGCTCGGATGCCCTGCAGCGCGGATACGGAGCTCCTGAGCTG
 GAGGTGGCCCGGTGCTGTTTCTGCTTCGGTCCAGATGGGAAGACACGGAAGAGCAGCAGAATGTCAAGG
 AGGGACCCAGGGTCATTTACGATGAGAAGAAAGCACCCGCTACAGCTACTCCTATTTCCACTTTGCTCT
 GCTCCTGGCTTCCCTCTACGTGATGATGACTTTGACCAGCTGGTTCCACTATGAAAACGCCACCATTGAG
 ACCTTCTCGTTGGGAGCTGGTCCATCTTCTGGTCAAGATGGCCTCCTGTTGGATGTGTGTGCTGCTGT
 ACCTGTGGACCCTGGTGGCTCCCCTTGTGCTCTCCAGGCAGTTCTCTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206698 representing NM_133395
 Red=Cloning site Green=Tags(s)

MSARCCAGQLACCCGSAGCALCCGCCPKFRQSRSTRFMYLFYFTLVIIIPCCVMMSPSVMQMTEHIPFFE
 DFCKGIKAGDTCENLVGYSVAVYRVCFGMACFFVFCVLTFFKVNNSKSCRASIHNGFWFFKLLLLGAMCSG
 AFFIPDQETFLNVWRYVAVGVSFFFIQILLIVEFAHKWKNWTAGTVRNKLWYASLSLALIMYSIAV
 GGLALMAVFYQWDDCMDNKILLGVHGLCVLISLAAISPCVQNRQPHSGLLQPLISCVTYLTFALSALT
 SKPEKVVKDEHGKNVTICVPDFGQDFRDESMVTWLGTLVVVCSYSCLTSTRSSDALQRRYGAPEL
 EVARCCFCFGPDGEDTEEQNVKEGPRVIYDEKKGTVYSYFHFVLLLASLYVMMTLTSWFHYENATIE
 TFFVGSWSIFWVKMASCWMCVLLYLWTLVAPLCCPSRQFSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

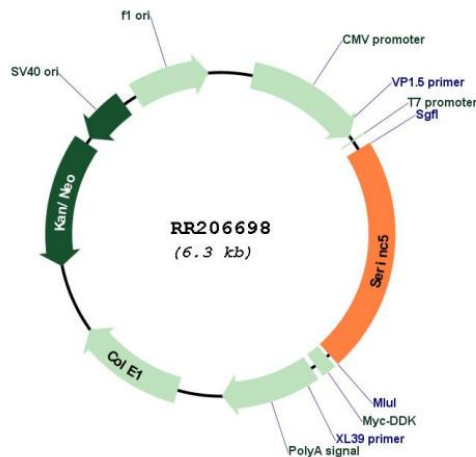
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_133395

ORF Size: 1383 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_133395.2](#), [NP_596886.2](#)

RefSeq Size: 5410 bp

RefSeq ORF: 1386 bp

Locus ID: 170907

UniProt ID: [Q63175](#)

Cytogenetics: 2q12

MW: 52 kDa

Gene Summary: contains cysteine-rich, zinc-finger-like motifs; may play a role in myelin biogenesis [RGD, Feb 2006]