

Product datasheet for **MR207539**

Serinc3 (NM_012032) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serinc3 (NM_012032) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serinc3
Synonyms:	AA959945; AA960047; AIGP1; DIFF33; Tde1; TMS-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207539 representing NM_012032
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGGGGCGCTCCTCGGCGTCTTCTCCCTCGCCAGCTGGGTCCCGTGCCTCTGTAGTGGTGCATCATGTC
 TGCTGTGCAGTTGCTGTCCCATCAGTAAGAATCCACTGTAACCTCGGCTCATCTACGCTTTTATCCTCTT
 CCTTGGCACTATTGTGTCTTGCATCATGATGACAGAAGGCATACAACTCAACTGAAGAAGATTCCTGGA
 TTCTGTGAAGGAGGATTTCAAATCAAGATGGTTGATACAAAGGCAGAGAAAGATTGTGACGTGCTGGTCG
 GTTTTAAAGCTGTGTATCGGATCAACTTTGCTGTGGCCATCTTTTCTTTGCCTTCTTTTGTCTCATGTT
 AAAAGTTAAACAAGTAAAGATCCAGAGCAGCAGTGCACAACGGGTTTTGGTCTTCAAATCGCTGCC
 ATTATTGGTATCATGATTGGATCTTCTACATCCCTGGGGCAGTTTTACTGAAGCTGGTTTGTGCTG
 GAATGTTGGGGCCTCTTCTTCATTATCATCCAGCTGGTCTTGGTAGACATGGCTCACTCTTGGA
 TGAATTATGGGTAAATCGAATGGAGGAAGGAAACCAAGGCTCTGGTATGCTGCCTTGTCTCCTTTACA
 AGCCTCTTTTACATCCTCTCCATCGTCTTGTGCGCTGCTCTACGTCTTCTACACCAAGCTGACGACT
 GCACAGAAAACAAGTCTTCATCAGCCTCAACCTGATTTTTGTGTTGCAGTTTCTATTGTGTCCATCCT
 CCCTAAAGTTCAGGAACATCAGCCTCGCTCTGGCCTCTGCAGTCTCCATCATCACTCTGTACACCCTT
 TACCTCACGTGGTCAGCCATGACCAATGAACCTGAGCGGTCTGCAATCCCTCCCTTATGAGCATCATCA
 CACACTTAACTTCACCACTGTGTCTCTGCAAATCACTACTTGTCTCTGCCTATGCTCCGCCGTC
 ACAGAGTGGGCACTTTATGAATTTGGATGATATTTGGGACTGATTATCTTTGTTTCTGCCTTATATAT
 TCTAGCTTCCGTACTTCGAGCAACAGCCAAGTTAACAAGCTGACCCTCTCTGGGAGTGACAGTGTTATCC
 TTGGTGATACCACCAATGGAGCCAATGATGAAGAGGATGGACAGCCAGGAGGCTGTAGACAATGAGAA
 GGAGGGGTGCAGTATAGCTACTCTTTTCCACTTGATGCTCTGCTGTGCCTCCTTGTACATCATGATG
 ACCATAACCAGCTGGTACAGCCCTGATGCCAAATTCAGAAAGGTATCCAGCAAGTGGCTAGCTGTGTGGT
 TCAAAATGGGCTCCAGCTGGTTGTGCCTCCTCTTTACCTCTGGACTCTTGTGGCTCCCCTGGTCTCAC
 AGGTCGGGACTTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207539 representing NM_012032
 Red=Cloning site Green=Tags(s)

MGAVLGVFSLASWVPCLSGASCLLCSCCPISKNSTVTRLIYAFILFLGTIVSCIMMTEGIQTQLKKIPG
 FCEGGFQIKMVDTKAEKDCDVLVGFKAVYRINFVAIIFFAFFLLMLKVKTSKDPRAAVHNGFWFFKIAA
 IIGIMIGSFYIPGGSFTEVWFVAGMLGASFFIIQLVLLVDMASWNLWVNRMEEGNPRLWYAALLSFT
 SLFYILSIVFAALLYVFYTKPDDCTENKVFISLNLIFCVAVSIVSILPKVQEHQPRSGLLQSSIIITLYL
 YLTWSAMTNEPERSCNPSLMSIITHLTSPVSPANSTTLAPAYAPPSQSGHFMNLDDIWGLIIFVFLIY
 SSFRTSSNSQVNKLTLGSDSVILGDTTNGANDEEDGQPRRAVDNEKEGVQYSYSFFHMLCCASLYIMM
 TITSWYSPDAKFQKVSSKWLAVWFKMGSSWLCLLLWLTLVAPLVLTGRDFS

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_b02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_012032

ORF Size: 1416 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_012032.4](#), [NP_036162.3](#)

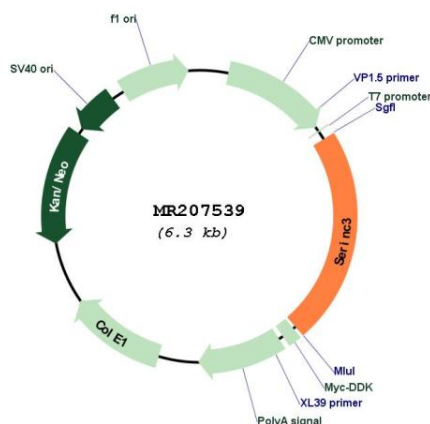
RefSeq Size: 3694 bp

RefSeq ORF: 1419 bp

Locus ID: 26943

UniProt ID:	<u>Q9QZI9</u>
Cytogenetics:	2 H3
MW:	53.1 kDa
Gene Summary:	Restriction factor required to restrict infectivity of gammaretroviruses: acts by inhibiting early step of viral infection and impairing the ability of the viral particle to translocate its content to the cytoplasm.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207539