

Product datasheet for **MR207899**

Serinc4 (NM_001025371) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serinc4 (NM_001025371) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serinc4
Synonyms:	RP23-433P19.11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207899 representing NM_001025371
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGGTGCAAAAGTTGTACCGGCCGAGCACCACCCAGGGTCTTGACAGCAGCACGGTGGAGTCA
 GTAATGTAGTGGAAACCCCTTCAATCAGGCATCCTGCTGTGGACCTGTTTCTTGACCAGTGGCTGCCA
 CTCTCTGACAGAGTCTAGGTGTAGCCGCTGCTCTACATCCTCCTCCACGTGGGAGCCTCAGCAATCTGC
 TGCCTCTGCTTTGCAAGACAGTGGTAGAAAGGTCTGGGGCAAAGCACATGGGATCCAGATGCCCTCAG
 TGCTATGTGCCACCTGTTTGGCAGCTCGGACTGCCAGTTCTCAGTGGCTCTGGCGCTGTGTATCGAGT
 GTGTGCAGGAAGTCCACCTTCCACCTGCTGCAGGCTGTGCTGCTAGTTCGCCTCCACTCCCCACCAAC
 CCTCGGGCAGCTGCATAACAGCTTCTGGAGCCTCAAGCTGTTGTTCTGTTAGGTCTCTGTGTCGTTG
 CCTTCTGCATCCCTGATGAGGATCTCTCCAGCCTGGCATTATATTGGCATCTGTGGAGGCTTCACATT
 CATCCTATTACAGCTGGTCTTATCACAGCCTTTGCCAGTCTGGAACAAGAATTGGCAGACTGGTGCA
 GCTCAAGACTGTAGCTGGCTCCTAGGTGTGCTACTGGCCACACTAGGGTTCTACAGCATGGCGGGTGTGG
 GAGCTGTGTTGCTGTTCCACAGTACACACACCCTGACGGTTGCCTGCTCAACAAGATGTTACTCAGTCT
 GCACCTTTGCTTCTGTGGCCTCCTGTCTCTCTCTCCATCGCACCTTGCATCCGCCGCAAGCAACCAAC
 TCTGGCCTCCTACAAGCCTCTATCATCAGCTGCTATATCATGTATCTGACCTTCTCTGCACTGTCCAGCC
 GTCCCCCAGAGACAATAACCTTTCAAGGACAGAATCACACCTTGTGTCTGCCTGGCCGGAATAAATGGA
 ACCACAATAACCGGATACCTCAGTAGCAGTGTTTAGTGCTGGCATCATGTATGCTGTGTGCTCTTTGCT
 TGCAACGAGGCTTCTACCTGGCCGAGTTATTTGGACCCTGTGGATTATCAAGGTTTACAAGTATGAGT
 TCCAGAAGCCCTCAGTCTGTTTCTGCTGCCCAACAGTGGAGCCAGAGGATGGCAAAGGAGCAGGGC
 CAGGTACAGCTGACCAAGAGACCCCTCCAGCTGCTCAGGTGCAGAGCCAGCATCTTCTCTACAGTACTCT
 GGCTTCCACTTCGCCTTCTTCTTGTCTCACTCTATGTCATGGTTACCCTTACCAACTGGTTCAGCTATG
 AGGAAGCAGAAGTGGAGAAGACCTTCACTAAGGGTAGCTGGGCTACCTTCTGGGTTAAAGTTGCCTCATG
 CTGGGCTGTGCTCTCTCTATCTGGGCTGCTCCTGGCACCCTGCTGGCTCCCACTCAGAATCACCA
 CCACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207899 representing NM_001025371
 Red=Cloning site Green=Tags(s)

MMGAKVVTGRSTTQGLAQHHGGVSNVETPFNQASCCGPVSWTSGCHSLTESRCSRLLYILLHVGAISAIC
 CLLL SKTVVERVWGKAHGIQMPSVLC AHLFGSSDCPVLSGSGAVYRVCAGTATFHLLQAVLLVRLHSPN
 PRAQLHNSFWSLKLLFLLGLCVVAFIPDEDLFPAWHYIGICGGFTFILLQLVLITAFQAQSWKNWQTGA
 AQDCSWLLGVSLATLGFYSMAGVAVLLFHQYTHPDGCLLNKMLLSLHLCFCGLLSLLSIAPCIRRKQPN
 SGLLQASIIISCYIMYLTFSALSSRPPEITIFQQQNHTLCLPGRNKMPEQIPDTSVAVFSAGIMYACVLFA
 CNEASYLAELFGPLWIIKVYKYEYFKPSVCFCCPQTVEPEDGQRSRARSADQETPPAAQVQSQHLSSYS
 GFHF AFFLASLYVMVTLTNWFSYEEAELEKFTKGSWATFWVKVASCWACVLLYLGLLLAPLLAPHSESP
 PP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9016_e12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001025371

ORF Size: 1476 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_001025371.2](#), [NP_001020542.1](#)

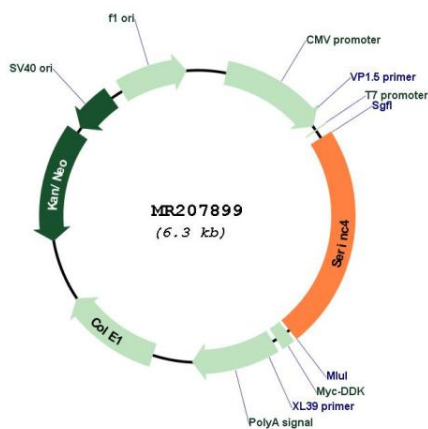
RefSeq Size: 2570 bp

RefSeq ORF: 1479 bp

Locus ID: 574418

UniProt ID:	<u>Q5XK03</u>
Cytogenetics:	2 E5
MW:	54.4 kDa
Gene Summary:	Incorporates a polar amino acid serine into membranes and facilitates the synthesis of two serine-derived lipids, phosphatidylserine and sphingolipids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207899