

Product datasheet for **RC233614**

SERINC4 (NM_001258032) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERINC4 (NM_001258032) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SERINC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233614 representing NM_001258032 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCATCTCTCCAGCATGGCATTACATTGGCATCTGTGGAGGCTTTCATTATCCTACTGCAGTT
GGTGCTTATTACAGCTTTTGCCATTCTGGAACAAGAACTGAGCAACCCCGCTCTGGCCTCCTACAAGC
TTCTGTCATCAGCTGCTATATCATGTATCTGACTTTCTCTGCACTGTCCAGCCGTCCTCCAGAGAGAGTA
ATCCTTCAAGGACAGAATCACACCCTGTGCCTGCCTGGCCTGAGTAAATGGAACCCCAACACCAGATA
TCTCTCTAGCAATGCTGAGTGCTAGCATCATGTATGCTTGTGTGCTTTTTCCTTGAATGAGGCCCTCCTA
CCTGGCTGAGGTATTTGGACCCCTGTGGATTGTCAAGGTTTACAGCTATGAGTTTCAGAAGCCCTCACTG
TGTTTCTGCTGCCCTGAAACAGTGGAGGCAGACAAAGGGCAAAGGGTGGGGCTGCGAGGCCAGCTGACC
AAGAAACCCCTCCAGCTCCTCCAGTCCAAGTCCAGCATCTTCTACAATATTCTGCCTTCCACTTCGT
CTTCTTCTTGCCTCACTCTATGTATGGTTACCCTTACCAACTGGTTCAGCTATGAGGGAGCAGAACTG
GAAAAGACCTTCATCAAGGTAGCTGGGCCACCTTCTGGGTCAAGGTTGCCTCATGCTGGGCTGCGTAC
TCCTCTATCTGGGGCTGTTACTGGCACCCTCTGTTGGCCCCCACCAGAAACCCAGCCCTTATCTT
GAGGCGCCGCCGCCACCGCATCATATCCCAGATAACAAATATCTCCAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



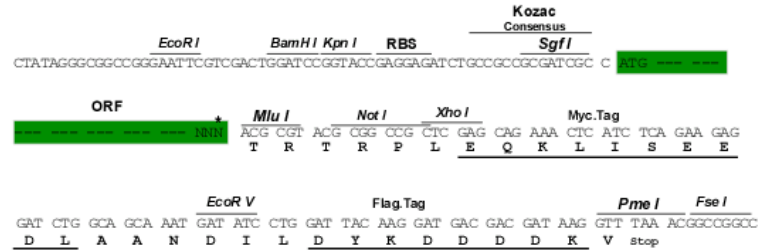
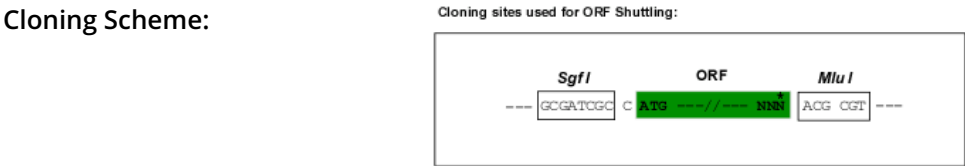
[View online »](#)

Protein Sequence: >RC233614 representing NM_001258032
 Red=Cloning site Green=Tags(s)

MSISSQHGITLASVEALHSSYCSWCLLQLLPIPGTRTEQPRSGLLQASVISCIYIMYLTFSALSSRPPEV
 ILQQQNHTLCLPGLSKMEPQTPDISLMLSASIMYACVLFACNEASYLAEVFGPLWIVKVSYEFQKPSL
 CFCCPETVEADKGQRGGAARPADQETPPAPPVQVQHL SYNYSAFHFVFFLASLYVMVTLTNWFSYEGAEL
 EKTFIKGSWATFWYKVASCWACVLLYLGLLLAPLCWPPTQKPQPLILRRRRHRIISPDKYPPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



* The last codon before the Stop codon of the ORF

ACCN: NM_001258032

ORF Size: 822 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_001258032.1](#), [NP_001244961.1](#)

RefSeq Size: 2323 bp

RefSeq ORF: 825 bp

Locus ID: 619189

UniProt ID: [A6NH21](#)

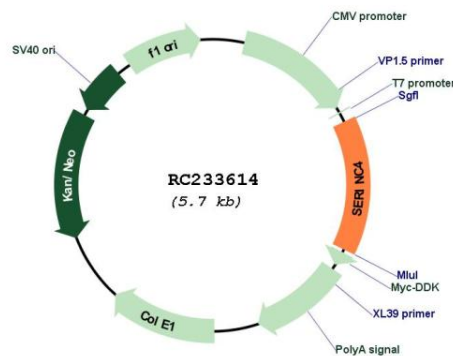
Cytogenetics: 15q15.3

Protein Families: Transmembrane

MW: 31.1 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 RC233614