

Product datasheet for **RG216546**

SERINC4 (NM_001033517) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERINC4 (NM_001033517) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SERINC4
Synonyms:	FLJ40363
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216546 representing NM_001033517 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTATCTCTCCAGCATGGCATTACATTGGCATCTGTGGAGGCTTTGCATTCATCCTACTGCAGTT
GGTGCTTATTACAGCTTTTGCCATTCTGGAACAAGAACTGAGCAACCCCGCTCTGGCTCCTACAAGC
TTCTGTCATCAGCTGCTATATCATGTATCTGACTTTCTCTGCACTGTCCAGCCGCTCCAGAGAGAGTA
ATCCTTCAAGGACAGAATCACACCCTGTGCCTGCCTGGCCTGAGTAAATGGAACCCCAACACCAGATA
TCTCTCTAGCAATGCTGAGTGCTAGCATCATGTATGCTTGTGTGCTTTTGTCTGCAATGAGGCCTCCTA
CCTGGCTGAGGTATTTGGACCCCTGTGGATTGTCAAGGTTTACAGCTATGAGTTTCAGAAGCCCTCACTG
TGTTTCTGCTGCCCTGAAACAGTGGAGGCAGACAAAGGGCAAAGGGTGGGGCTGCGAGGCCAGCTGACC
AAGAAACCCCTCCAGCTCCTCCAGTCCAAGTCCAGCATCTTCTCTACAATATTCTGCCTTCCATTTCGT
CTTCTTCTTGCCTCACTCTATGTATGGTTACCCTTACCAACTGGTTCAGCTATGAGGGAGCAGAACTG
GAAAAGACCTTCATCAAGGGTAGCTGGGCCACCTTCTGGGTCAAGGTTGCCTCATGCTGGGCCTGCGTAC
TCCTCTATCTGGGGCTGTTACTGGCACCCTCTGTTGGCCCCCACCAGAAACCCAGCCCTTATCTT
GAGGCGCCGCCGCCACCGCATCATATCCCAGATAACAAATATCTCCAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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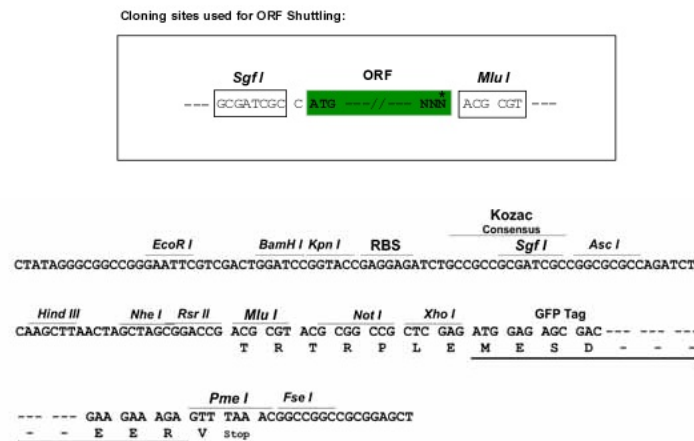
Protein Sequence: >RG216546 representing NM_001033517
 Red=Cloning site Green=Tags(s)

MSISSQHGITLASVEALHSSYCSWCLLQLLPIPGTRTEQPRSGLLQASVISCYIMYLTFSALSSRPPEV
 ILQQQNHLCPLGLSKMEPQTPDISLAMSASIMYACVLFACNEASYLAEVFGPLWIVKVYSYEFQKPSL
 CFCCPETVEADKGQRGGAARPADQETPPAPPVQVQHL SYNYSAFHFVFFLASLYVMVTLTNWFSYEGAEL
 EKTFIKGSWATFWVKVASCWACVLLYLGLLLAPLCWPPTQKPQPLILRRRRHRIISPDNKYPPV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033517

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.

RefSeq: NM_001033517.1, NP_001028689.1

RefSeq Size: 1490 bp

RefSeq ORF: 824 bp

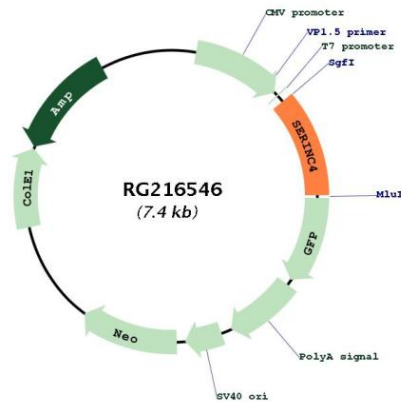
Locus ID: 619189

Cytogenetics: 15q15.3

Protein Families: Transmembrane

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 RG216546