

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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTATCTCTCCAGCATGGCATTACATTGGCATCTGTGGAGGCTTGCATTATCCTACTGCAGTT
GGTGCTTATTACAGCTTTTGCCATTCTGGAACAAGAACTGAGCAACCCCGCTCTGGCCTCCTACAAGC
TTCTGTCATCAGCTGCTATATCATGTATCTGACTTTCTCTGCACTGTCCAGCCGCTCCAGAGAGAGTA
ATCCTTCAAGGACAGAATCACACCCTGTGCCTGCCTGGCCTGAGTAAAATGGAACCCCAAACACCAGATA
TCTCTAGCAATGCTGAGTGCTAGCATCATGTATGCTTGTGTGCTTTTGTGCTTGAATGAGGCCTCCTA
CCTGGCTGAGGATTTGGACCCCTGTGGATTGTCAAGTTTACAGCTATGAGTTTCAGAAGCCCTCACTG
TGTTTCTGCTGCCCTGAAACAGTGGAGGCAGACAAAGGGCAAAGGGTGGGGCTGCGAGGCCAGCTGACC
AAGAAACCCCTCCAGCTCCTCCAGTCCAAGTCCAGCATCTTCTACAATATTCTGCCTTCCACTTCGT
CTTCTTCCCTGCTCACTCTATGTATGGTTACCCTTACCAACTGGTTCAGCTATGAGGGAGCAGAAGT
GAAAAGACCTTCAAGGGTAGCTGGGCCACCTTCTGGGTCAAGGTTGCCTCATGCTGGCCTGCGTAC
TCCTCTATCTGGGGCTGTTACTGGCACCCTCTGTTGGCCCCCAGAAACCCAGCCCTTATCTT
GAGGCGCCGCCACCCGCATCATATCCCAGATAACAAATATCTCCAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

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

MSISSQHGITLASVEALHSSYCSWLLQLLPIPGTRTEQPRSGLLQASVISCYIMYLTFSSALSSRPPPERV
 ILQGQNHTLCLPGLSKMEPQTPDISLAMLASIMYACVLFACNEASYLAEVFGPLWIVKVYSYEFQKPSL
 CFCCPETVEADKGQRGGAARPADQETPPAPPVQVQHL SYNYSAFHFVFFLASLYVMVTLTNWFSYEGAEL
 EKTFIKGSWATFWVKVASCWACVLLYLGLLLAPLCWPPTQKPQPLILRRRRHRIISPDNKYPPV

TRTRPLE - GFP Tag - V

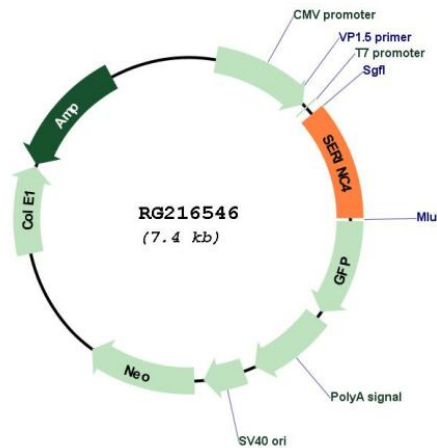
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<ol style="list-style-type: none">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]