

Product datasheet for **RG210091**

SERINC2 (NM_178865) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERINC2 (NM_178865) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SERINC2
Synonyms:	FKSG84; PRO0899; TDE2; TDE2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG210091 representing NM_178865
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGCTGCCTGGGAGCCTGCTCCCTGCTCAGCTGCGCGTCTGCCTCTGCGGCTGCCCCCTGCA
 TCCTGTGCAGCTGCTGCCCCGACCCGCAACTCCACCGTGAGCCGCCTCATCTTCACGTTCTTCCTCTT
 CCTGGGGGTGCTGGTGTCCATCATTATGCTGAGCCCGGGCGTGGAGAGTCACTCTACAAGCTGCCTGG
 GTGTGTGAGGAGGGGGCCGGGATCCCCACCGTCTGCAGGGCCACATCGACTGTGGCTCCCTGTTGGCT
 ACCGCGTGTCTACCGCATGTGCTTCGCCACGGCGCCTTCTTCTTTTCCACCTGCTCATGCTCTG
 CGTGAGCAGCAGCCGGACCCCGGGTCCATCCAGAATGGGTTTTGGTTCTTTAAGTTCCTGATCCTG
 GTGGCCCTCACCGTGGTGCCTTCTACATTCTGACGGCTCCTCACCAACATCTGGTCTACTTCGGCG
 TCGTGGGCTCCTCCTTTCATCTCATCCAGTGGTGTGCTCATCGACTTTCGCGACTCTGGAACCA
 GCGGTGGCTGGCAAGGCCGAGGAGTGCATTCCCGTGCCTGGTACGCAGGCCTTCTTCTTCACTCTC
 CTCTTCTACTTGCTGTCGATCGCGGCCGTGGCGCTGATGTTATGTACTACACTAGCCAGCGGCTGCC
 ACGAGGGCAAGGTCTTATCAGCCTCAACCTCACCTTCTGTGTCTGCGTGTCCATCGCTGCTGCTGCC
 CAAGGTCCAGGACGCCAGCCAACTCGGGTCTGCTGCAGGCCTCGGTATCACCTCTACACCATGTTT
 GTCACCTGGTCAGCCCTATCCAGTATCCCTGAACAGAAATGCAACCCCAATTTGCCAACCCAGCTGGGCA
 ACGAGACAGTTGTGGCAGGCCCGAGGGCTATGAGACCCAGTGGTGGGATGCCCGAGCATTGTGGGCT
 CATCATCTTCTCCTGTGCACCTCTTTCATCAGTCTGCGCTCCTCAGACCACCGGAGGTGAACAGCCTG
 ATGCAGACCGAGGAGTGGCCACCTATGCTAGACGCCACACAGCAGCAGCAGCAGGTTGGCAGCCTGTG
 AGGGCCGGGCTTTGACAACGAGCAGGACGGCGTCACTACAGCTACTCCTTCTTCCACTTCTGCCTGGT
 GCTGGCCTCACTGCACGTATGATGACGCTACCAACTGGTACAAGCCCGGTGAGACCCGGAAGATGATC
 AGCACGTGGACCGCGTGTGGTGAAGATCTGTGCCAGCTGGGCAGGGCTGCTCCTCTACCTGTGGACCC
 TGGTAGCCCACTCCTCTGCGCAACCGCGACTTCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG210091 representing NM_178865
 Red=Cloning site Green=Tags(s)

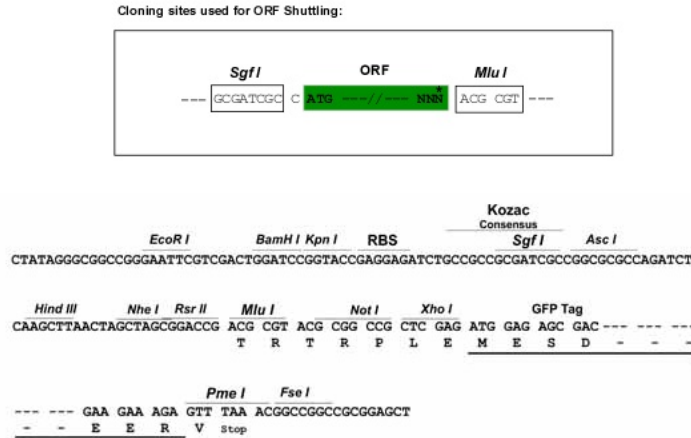
MGACLGACSLLSASCSCGSAPCILCSCCPASRNSTVSRLIFTFLLFLGVLVSIIMLSPGVESQLYKLPW
 VCEEGAGIPTVLQGHIDCGSLLGYRAVYRMCFAAFAAFFFFLLMLCVSSSRDPRAAIQNGFWFFKFLIL
 VGLTVGAFYIPDGSFTNIWFYFGVVSFLFILIQLVLLIDFAHSWNQRWLGAEECDRAWYAGLFFFTL
 LFYLLSIAAVALMFMYYTEPSGHEGKVFISLNLTFVCVVSIAAVLPKVQDAQPNSGLLQASVITLYTMF
 VTWSALSIIPEQKCNPHLPTQLGNETVAVGPEGYETQWWDAPSIIVGLIIFLLCTLFISLRSSDHRQVNSL
 MQTEECPPMLDATQQQQQVAACEGRAFDNEQDGVTSYSFFHFCLVLASLHVMMTLTNWYKPGETRKMI
 STWTAVVWKICASWAGLLLYLWTLVAPLLLRNRDFS

TRTRPLE - GFP Tag - V

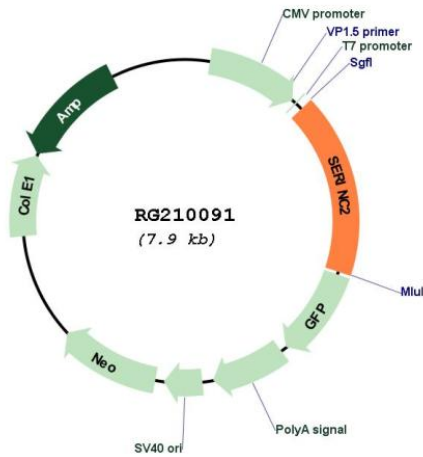
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_178865

ORF Size: 1365 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:	<u>NM_178865.3</u> , <u>NP_849196.2</u>
RefSeq Size:	2011 bp
RefSeq ORF:	1368 bp
Locus ID:	347735
UniProt ID:	<u>Q96SA4</u>
Cytogenetics:	1p35.2
Protein Families:	Transmembrane