

Product datasheet for **RC234159**

SERINC2 (NM_001199037) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERINC2 (NM_001199037) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SERINC2
Synonyms:	FKSG84; PRO0899; TDE2; TDE2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234159 representing NM_001199037
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGAAGCATGAGGCTGAGAGAGGAGGAGTACCCGGACCCAGCCACACAGCGTCTGCCTCTGCGGCT
 CTGCCCCCTGCATCCTGTGCAGCTGCTGCCCCGCCAGCCGCAACTCCACGTGAGCCGCCTCATCTTCAC
 GTTCTTCTCTTCTGGGGGTGCTGGTGTCCATCATTATGCTGAGCCCGGGCGTGGAGAGTCAGCTCTAC
 AAGCTGCCCTGGGTGTGTGAGGAGGGGGCCGGATCCCCACCGTCTGCAGGGCCACATCGACTGTGGCT
 CCCTGCTTGGCTACCGCGCTGTCTACCGCATGTGCTTCGCCACGGCGGCCTTCTTCTTTTCCACCT
 GCTCATGCTCTGCGTGAACAGCAGCCGGGACCCCGGGTCCATCCAGAATGGGTTTTGGTTCTTTAAG
 TTCCTGATCCTGGTGGGCTCACCGTGGTGCCTTCTACATTCTGACGGCTCCTCACCAACATCTGGT
 TCTACTTCGGCGTCGTGGCTCCTTCTTCTCATCTCATCCAGCTGGTGTCTCATCGACTTTGCGCA
 CTCTGGAACAGCGGTGGCTGGCAAGGCCGAGGAGTGGATTCCCGTGCCTGGTACGCAGGCCTTTC
 TTCTTCACTCTCCTTCTACTTGTGTGATCGCGCCGTGGCGCTGATGTTACTGTACTACACTGAGC
 CCAGCGGTGCCACGAGGGCAAGGTCTTCATCAGCCTAACCTCACCTTCTGTGTCTGCGTGTCCATCGC
 TGCTGTCTGCCAAGGTCCAGGACGCCAGCCAACTCGGGTCTGCTGCAGGCCTCGGTATCACCCCTC
 TACACCATGTTTGTACCTGGTCAGCCCTATCCAGTATCCCTGAACAGAAATGCAACCCCATTTGCCAA
 CCCAGCTGGGCAACGAGACAGTTGTGGCAGGCCCGAGGGCTATGAGACCCAGTGGTGGGATGCCCGAG
 CATTGTGGGCTCATCATCTTCTCCTGTGCACCTTTCATCAGTCTGCGCTCCTCAGACCACCGGCAG
 GTGAACAGCCTGATGCAGACCGAGGAGTCCCACCTATGCTAGACGCCACACAGCAGCAGCAGGAGTGG
 CAGCCTGTGAGGGCCGGCCTTTGACAACGAGCAGGACGGCGTCACTACAGTACTCCTTCTTCCACTT
 CTGCCTGGTGTGGCCTCACTGCACGTATGATGACGCTACCAACTGGTACAAGCCCGGTGAGACCCGG
 AAGATGATCAGCAGTGGACCGCGTGTGGTGAAGATCTGTGCCAGTGGGAGGGCTGCTCCTTACC
 TGTGGACCTGGTAGCCCACTCCTCTGCGCAACCGGACTTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234159 representing NM_001199037
 Red=Cloning site Green=Tags(s)

MRSMLREEEESPGPSHTASCLCGSAPCILCSCCPASRNSTVSRLIFTFLLFLGVLVSIIMLSPGVESQLY
 KLPWVCEEAGIPTVLQGHIDCGSLLGYRAVYRMCFAAFFFFFTLLMLCVSSSRDPRAAIQNGFWFFK
 FLILVGLTVGAFYIPDGSFTNIWFYFGVVSFLFILIQLVLLIDFAHSWNQRWLGAEECDRAWYAGLF
 FFTLLFYLLSIAAVALMFMYYTEPSGCHEGKVFISLNLTFVCVCSIAAVLPKVQDAQPNISGLLQASVITL
 YTMFVTWSALSSIPKCNPHLPTQLGNETVVAGPEGYETQWWDAPSIVGLIIFLLCTLFISLRSSDHRQ
 VNLSMQTEECPPMLDATQQQQVAACEGRAFDNEQDGVTSYSFFHFCLVLASLHVMMTLTNWYKPGETR
 KMISTWTAVWVKICASWAGLLLYLWTLVAPLLLRNDFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001199037

ORF Size: 1377 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_001199037.1](#), [NP_001185966.1](#)

RefSeq Size: 2133 bp

RefSeq ORF: 1380 bp

Locus ID: 347735

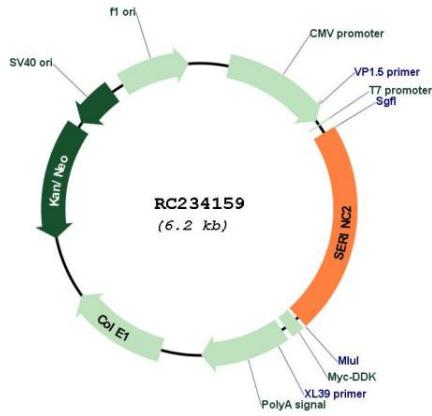
UniProt ID: [Q96SA4](#)

Cytogenetics: 1p35.2

Protein Families: Transmembrane

MW: 52 kDa

Product images:



Circular map for RC234159