

## Product datasheet for RC230824

### SERINC2 (NM\_001199039) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SERINC2 (NM_001199039) 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)
ORF Nucleotide Sequence:	>RC230824 representing NM_001199039 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGAGCCCGGGCGTGGAGAGTCAGCTCTACAAGCTGCCCTGGGTGTGTGAGGAGGGGGCCGGGATCC  
CCACCGTCTGCAGGGCCACATCGACTGTGGCTCCCTGCTTGGCTACCGCGTGTCTACCGCATGTGCTT  
CGCCACGGCGCCTTCTTCTTTTCCACCTGCTCATGCTCTGCGTGAGCAGCAGCCGGGACCCCGG  
GCTGCCATCCAGAATGGGTTTTGGTCTTTAAGTTCCTGATCCTGGTGGGCTCACCGTGGTGCCTTCT  
ACATTCCTGACGGCTCCTCACCAACATCTGGTCTACTTCGGCGTCGTGGGCTCCTTCTTTCATCCT  
CATCCAGCTGGTGTCTCATCGACTTTGCGCACTCCTGGAACAGCGGTGGCTGGCAAGGCCGAGGAG  
TGCGATTCCCGTGCCTGGTACGCAGGCCTTCTTCTTCACTCTCCTTCTACTTGTCTGCATCGCGG  
CCGTGGGCTGATGTTTACTACTAGCTGAGCCAGCGGCTGCCACGAGGGCAAGGTCTTCATCAGCCT  
CAACCTCACCTTCTGTGTCTGCGTGTCCATCGTGTCTGCTGCCAAGGTCCAGGACGCCAGCCCAAC  
TCGGGTCTGTGCAGGCCTCGGTATCACCTCTACACCATGTTTGTACCTGGTGCAGCCATCCAGTA  
TCCCTGAACAGAAATGCAACCCCATTTGCCAACCAGCTGGGCAACGAGACAGTTGTGGCAGGCCCGA  
GGGCTATGAGACCCAGTGGTGGGATGCCCGAGCATTGTGGGCTCATCATCTTCTCCTGTGCACCCTC  
TTCATCAGTCTGGCTCCTCAGACCACCGCAGGTGAACAGCCTGATGCAGACCGAGGAGTGCCACCTA  
TGCTAGACGCCACACAGCAGCAGCAGGTGGCAGCCTGTGAGGGCCGGCCTTTGACAACGAGCAGGA  
CGGCGTACCTACAGCTACTCCTTCTTCACTTCTGCCTGGTGTGGCCTCACTGCACGTATGATGACG  
CTCACCAACTGGTACAAGCCCGGTGAGACCCGGAAGATGATCAGCACGTGGACCGCGTGTGGTGAAGA  
TCTGTGCCAGCTGGGCGGGCTGCTCCTACCTGTGGACCCTGGTAGCCCCACTCCTCTGCGCAACCG  
CGACTTCAGC

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RC230824 representing NM\_001199039  
 Red=Cloning site Green=Tags(s)

MLSPGVESQLYKLPWVCEEAGIPTVLQGHIDCGSLLGYRAVYRMCFATAAFFFFFFLLMLCVSSSRDPR  
 AAIQNGFWFFKFLILVGLTVGAFYIPDGSFTNIWFYFGVVGVSFLFILIQVLVIDFAHSWNQRWLGAEE  
 CDSRAWYAGLFFFLLFYLLSIAAVALMFMYYTEPSGCHEGKVFISLNLFCVCVSIAAVLPKVQDAQPN  
 SGLLQASVITLYTMFVTWSALSSIPEQKCNPHLPTQLGNETVVAGPEGYETQWWDAPSIVGLIIFLLCTL  
 FISLRSSDHRQVNSLMQTEECPPMLDATQQQQVAACEGRAFDNEQDGVYYSYFFHFCLVLASLHVMMT  
 LTNWYKPGETRKMISTWTAVWVKICASWAGLLLYLWTLVAPLLLNRNDFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001199039

**ORF Size:** 1200 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\\_001199039.2](#)

**RefSeq Size:** 2871 bp

**RefSeq ORF:** 1203 bp

**Locus ID:** 347735

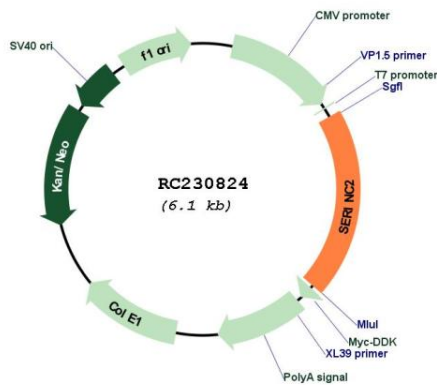
**UniProt ID:** [Q96SA4](#)

**Cytogenetics:** 1p35.2

**Protein Families:** Transmembrane

**MW:** 45.1 kDa

**Product images:**



Circular map for RC230824