

Product datasheet for **RC210091**

SERINC2 (NM_178865) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERINC2 (NM_178865) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RC210091 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCCTGCCTGGGAGCCTGCTCCCTGCTCAGCTGCGCGTCTGCCTCTGCGGCTGCCCCCTGCA
 TCCTGTGAGCTGCTGCCCGCCAGCCGCAACTCCACCGTGAGCCGCTCATCTTCACGTTCTTCCTCTT
 CCTGGGGGTGCTGGTGTCCATCATTATGCTGAGCCCGGCGTGGAGAGTCACTCTACAAGCTGCCTGG
 GTGTGTGAGGAGGGGGCCGGATCCCCACCGTCTGCAGGGCCACATCGACTGTGGCTCCCTGTTGGCT
 ACCGCGTGTCTACCGCATGTGCTTCGCCACGGCGGCTTCTTCTTTTCCACCTGCTCATGCTCTG
 CGTGAGCAGCAGCCGGACCCCGGGTCCATCCAGAATGGGTTTTGGTTCTTTAAGTCTGATCCTG
 GTGGCCCTCACCGTGGTGCCTTCTACATTCTGACGGCTCCTCACCAACATCTGGTTCTACTTCGGCG
 TCGTGGGCTCCTCCTTTCATCCTCATCCAGTGGTGTGCTCATCGACTTTCGCGACTCCTGGAACCA
 GCGGTGGCTGGCAAGGCCGAGGAGTGCATTCCCGTGCCTGGTACGACGCTCTTCTTCTCACTCTC
 CTCTTCTACTTGCTGTCGATCGCGGCCGTGGCGCTGATGTTATGTACTACACTAGCCAGCGGCTGCC
 ACGAGGGCAAGGTCTTCATCAGCCTCAACCTCACCTTCTGTGTCTGCGTGTCCATCGCTGCTGCTGCC
 CAAGGTCCAGGACGCCAGCCAACTCGGGTCTGCTGCAGGCCTCGGTACATCACCTCTACACCATGTTT
 GTCACCTGGTCAGCCCTATCCAGTATCCCTGAACAGAAATGCAACCCCAATTTGCCAACCCAGCTGGGCA
 ACGAGACAGTTGTGGCAGGCCCGAGGGCTATGAGACCCAGTGGTGGATGCCCGAGCATTGTGGGCT
 CATCATCTTCTCCTGTGCACCTCTTCATCAGTCTGCGCTCCTCAGACCACCGGAGGTGAACAGCCTG
 ATGCAGACCGAGGAGTGGCCACCTATGCTAGACGCCACACAGCAGCAGCAGCAGGTTGGCAGCCTGTG
 AGGGCCGGGCTTTGACAACGAGCAGGACGGCGTCACTACAGCTACTCCTTCTTCCACTTCTGCCTGGT
 GCTGGCCTCACTGCACGTATGATGACGCTCACCAACTGGTACAAGCCCGGTGAGACCCGGAAGATGATC
 AGCACGTGGACCGCGTGTGGTGAAGATCTGTGCCAGTGGCAGGGCTGCTCCTCTACCTGTGGACCC
 TGGTAGCCCACTCCTCTGCGCAACCGCGACTTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210091 protein sequence
 Red=Cloning site Green=Tags(s)

MGACLGACSLSCASCLCGSAPCILCSCCPASRNSTVSRILFTFFFLFLGVLVSIIMLSPGVESQLYKLPW
 VCEEGAGIPTVLQGHIDCGSLLGYRAVYRMCFAATAAFFFFFTLLMLCVSSSRDPRAAIQNGFWFFKFLIL
 VGLTVGAFYIPDGSFTNIWFYFVGVGSFLFILIQVLVLLIDFAHSWNQRWLKAEEDCSRAWYAGLFFFTL
 LFYLLSIAAVALMFMYYTEPSGCHGKVFISLNLTFVCVVSIAAVLPKVQDAQPNSGLLQASVITLYTMF
 VTWSALSSIQKCNPHLPTQLGNETVVAGPEGYETQWWDAPSIIVGLIIFLLCTLFISLRSSDHRQVNSL
 MQTEECPMLDATQQQQQVAACEGRAFDNEQDGVTSYSFFHFCLVLASLHVMMTLTNWYKPGETRKMI
 STWTAVVWKICASWAGLLLLYLWTLVAPLLLRNDRFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6767_a09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_178865

ORF Size: 1368 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_178865.5](#)

RefSeq Size: 2060 bp

RefSeq ORF: 1368 bp

Locus ID: 347735

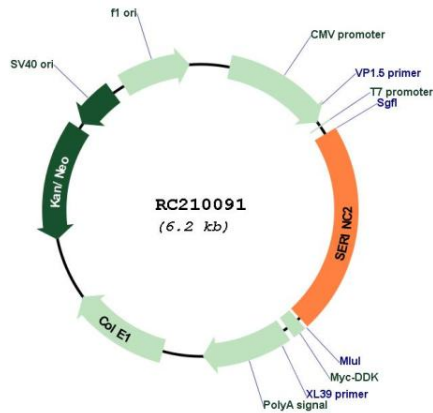
UniProt ID: [Q96SA4](#)

Cytogenetics: 1p35.2

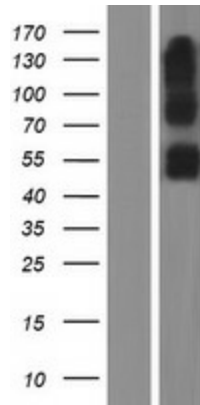
Protein Families: Transmembrane

MW: 50.9 kDa

Product images:



Circular map for RC210091



Western blot validation of overexpression lysate (Cat# [LY405829]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210091 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).