

Product datasheet for **RG212480**

SERINC3 (NM_006811) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERINC3 (NM_006811) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SERINC3
Synonyms:	AIGP1; DIFF33; SBBI99; TDE; TDE1; TMS-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG212480 representing NM_006811
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGGGGCTGTGCTGGGTGTCTTCTCCCTCGCCAGCTGGGTTCCATGCCTCTGCAGCGGTGCCTCATGTT
 TGCTGTGTAGTTGCTGTCTTAACAGTAAGAATTCACGGTGAATCGCCTATTTATGCTTTTCATTCTCT
 CCTGAGCACTGTCGTATCTATATCATGCAGAGAAAAGAGATGGAACCTACTTGAAGAAGATTCCTGGA
 TTTTGTGAAGGGGATTTAAATCCATGAGGCTGATATAAATGCAGATAAAGATTGTGATGTGCTGGTTG
 GTTATAAAGCTGTGTATCGGATCAGCTTGGCCATGCCATCTTTTCTTTGTCTTTCTCTGCTCATGTT
 CAAAGTAAAAACAAGTAAAGATCTCCGAGCGGCAGTACACAATGGGTTTTGGTCTTCAAATGCTGCC
 CTTATTGGAATCATGGTTGGCTCTTTCTACATCCCTGGGGCTATTTAGCTCAGTCTGGTTTGTGTTG
 GCATGATAGGGGCGCCCTCTTCATCCTCATTAGCTGGTGTGCTGGTAGATTTTCTCATTCTTGGA
 TGAATCATGGGTAAATCGAATGGAAGAAGAAACCAAGTTGTGGTATGCTGCTTTACTGTCTTTCACA
 AGCGCCTTTTATATCCTGTCAATCATCTGTGTGGGCTGCTCTATACATATTACACCAAACAGATGGCT
 GCACAGAAAACAAGTTCTTCATCAGTATTAACCTGATCCTTTGCGTTGTGGCTTCTATTATATCGATCCA
 CCCAAAATTAGGAACACCGCCTCGCTCCGGCTCTTGCACTCCTCCCTCATCACCCTCTACACTATG
 TACCTCACCTGGTCAGCCATGTCCAATGAACCTGATCGTTCCTGCAATCCCAACCTGATGAGCTTTATTA
 CACGCATAACTGCACCAACCTGGCTCTGGAAATCACTGCTGTGGTCCCTACCCCTACTCCACCATC
 AAAGAGTGGGTCTTTACTGGATTAGATAATTTATTGGACTGTTTGTCTTTGTCTCTGCTCTTGTAT
 TCTAGCATCCGCACTTCCACTAATAGCCAAGTAGACAAGCTGACCCTGTGAGGAGTGACAGCGTCATCC
 TTGGTGATACAACTACCAGTGGTGCCAGTGAAGAAGATGGACAGCCTCGGCGGGCTGTGGACAACGA
 GAAAGAGGGAGTGCAGTATAGCTACTCTTATTCCACCTCATGCTCTGCTTGGCTTCTTGTACATCATG
 ATGACCCTGACCAGTGGTACAGCCCTGATGCAAAGTTTCAGAGCATGACCAGCAAGTGGCCAGCTGTG
 GGGTCAAGATCAGCTCCAGCTGGGTCTGCTCTGCTTTACGTCTGGACCCTTGTGGCTCCACTGTCTCT
 CACCAGTCGGGACTTCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG212480 representing NM_006811
 Red=Cloning site Green=Tags(s)

MGAVLGVFSLASWVPCLCGASCLLCSCCPNSKNSTVTRLIYAFILLSTVVSYIMQRKEMETYLKKIPG
 FCEGGFKIHEADINADKDCDVLVGKAVYRISFAMAIFFVFVLLMFVKVTSKDLRAAVHNGFWFFKIAA
 LIGIMVGSFYIPGGYFSSVWFVGMIGAALFILIQLVLLVDFAHSWNESWVNRMEEGNRLWYAALLSFT
 SAFYILSIICVGLLYTYTKPDGCTENKFFISINLILCVVASIISHPKIQEHQPRSGLLQSSLITLYTM
 YLTWSAMSNEPDRCNPMLMSFITRITAPTLAPGNSTAVVPTPTPPSKSGSLLDSDNF IGLFVFLCLLY
 SSIRTSTNSQVDKLTLSGSDSVILGDTTSGASDEEDGQPRRAVDNEKEGVQYSYSLFHLMLCLASLYIM
 MTLTSWYSPDAKFQSMTSKWPVWVKISSWVCLLLYVWTLVAPLVLSRDFS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006811

ORF Size: 1419 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006811.4](#)

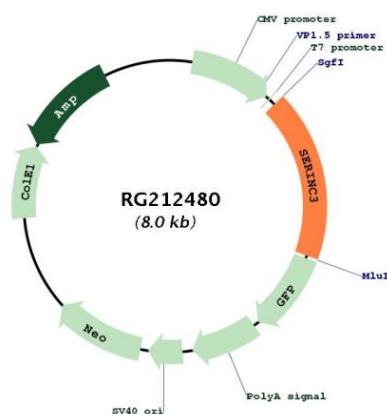
RefSeq Size: 2592 bp

RefSeq ORF: 1422 bp

Locus ID: 10955

UniProt ID:	<u>Q13530</u>
Cytogenetics:	20q13.12
Domains:	TMS_TDE
Protein Families:	Transmembrane
Gene Summary:	Restriction factor required to restrict infectivity of lentiviruses, such as HIV-1: acts by inhibiting an early step of viral infection. Impairs the penetration of the viral particle into the cytoplasm (PubMed:26416733, PubMed:26416734).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG212480