

## Product datasheet for **RG202866**

### **SERINC3 (NM\_198941) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SERINC3 (NM_198941) 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:**

>RG202866 representing NM\_198941  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGGCTGTGCTGGGTGTCTTCTCCCTCGCCAGCTGGGTTCCATGCCTCTGCAGCGGTGCCTCATGTT  
 TGCTGTGTAGTTGCTGTCTTAACAGTAAGAATTCACGGTGACTCGCCTATTTATGCTTTCATTCTCT  
 CCTGAGCACTGTCGTATCCTATATCATGCAGAGAAAAGAGATGGAACCTACTTGAAGAAGATTCCTGGA  
 TTTTGTGAAGGGGATTTAAAATCCATGAGGCTGATATAAATGCAGATAAAGATTGTGATGTGCTGGTTG  
 GTTATAAAGCTGTGTATCGGATCAGCTTGGCCATGGCCATCTTTTTCTTTGTCTTTCTCTGCTCATGTT  
 CAAAGTAAAAACAAGTAAAGATCTCCGAGCGGCAGTACACAATGGGTTTTGGTCTTCAAATGCTGCC  
 CTTATTGGAATCATGGTTGGCTCTTCTACATCCCTGGGGCTATTTAGCTCAGCTGGTTTGTGTTG  
 GCATGATAGGGGCCGCCCTTTCATCCTCATTAGCTGGTGTGCTGGTAGATTTTGTCTATTCTTGAA  
 TGATCATGGGTAATCGAATGGAAGAAGGAAACCAAGTTGTGGTATGCTGCTTACTGTCTTTCACA  
 AGCGCCTTTTATATCCTGTCAATCATCTGTGTCGGGCTGCTCTATACATATTACACCAAACAGATGGCT  
 GCACAGAAAACAAGTTCTTCATCAGTATTAACCTGATCCTTTGCGTTGTGGCTTCTATTATATCGATCCA  
 CCCAAAAATTCAGGAACACCAGCCTCGCTCCGGCCTTTGCACTCCTCCCTCATCACCCTTACACTATG  
 TACCTCACCTGGTCAGCCATGTCCAATGAACCTGATCGTTCCTGCAATCCCAACCTGATGAGCTTTATTA  
 CACGCATAACTGCACCAACCCTGGCTCCTGGAAATCAACTGTGTGGTCCCTACCCCTACTCCACCATC  
 AAAGAGTGGGTCTTACTGGATTCAGATAATTTTATTGGACTGTTTGTCTTTGTCTCTGCTCTTGTAT  
 TCTAGCATCCGCCTTCCACTAATAGCCAAGTAGACAAGCTGACCCTGTGAGGGAGTGACAGCGTCATCC  
 TTGGTGATACAACCTACCAGTGGTGCCAGTGAAGAAGATGGACAGCCTCGGCGGGCTGTGGACAACGA  
 GAAAGAGGGAGTGCAGTATAGCTACTCCTTATTCCACCTCATGCTCTGCTTGGCTTCTTGTACATCATG  
 ATGACCCTGACCAGCTGGTACAGCCCTGATGCAAAGTTTACAGAGCATGACCAGCAAGTGGCCAGCTGTG  
 GGGTCAAGATCAGCTCCAGCTGGGTCTGCCTCCTGCTTACGCTCTGGACCCTTGTGGCTCCACTTGTCT  
 CACCAGTCGGGACTTCAGC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG202866 representing NM\_198941  
 Red=Cloning site Green=Tags(s)

MGAVLGVFSLASWVPCLSGASCLLCSPPNSKNSTVTRLIYAFILLSTVVSYIMQRKEMETYLKIPG  
 FCEGGFKIHEADINADKDCDVLVGYKAVYRISFAMAIFFVFLLMFKVKTSKDLRAAVHNGFWFFKIAA  
 LIGIMVGSFYIPGGYFSSVWFVGMIGAAFLILIQLVLLVDFAHSWNESWVNRMEEGNPRLWYAALLSFT  
 SAFYILSICVGLLYTYTKPDGCTENKFFISINLILCVVASIISIHPKIQEHQPRSGLLQSSLITLYTM  
 YLTWSAMSNEPDRSCNPNLMSFITRITAPTLAPGNSTAVVPTPTPPSKGSLDSDNFIGLFVFLCLLY  
 SSIRTSTNSQVDKLTLSGSDSVILGDTTTSASDEEDGQPRRAVDNEKEGVQYSYSLFHLMLCLASLYIM  
 MTLTWSYSPDAKFQSMTSKWPVAVVKISSWVCLLLYVWTLVAPLVLTSRDFS

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_198941.2</a>
<b>RefSeq Size:</b>	1744 bp
<b>RefSeq ORF:</b>	1422 bp
<b>Locus ID:</b>	10955
<b>UniProt ID:</b>	<a href="#">Q13530</a>
<b>Cytogenetics:</b>	20q13.12
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]