

## Product datasheet for **SC320146**

### **SERINC3 (NM\_198941) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SERINC3 (NM_198941) Human Untagged Clone
Tag:	Tag Free
Symbol:	SERINC3
Synonyms:	AIGP1; DIFF33; SBBI99; TDE; TDE1; TMS-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_198941.1  
 CCTCAGCTGGCAGTTACCACCGTGTAGAAAGCAGCCTCAGGACCGGCCACCTCCATCAC  
 TGGCGTACCATGGGGGCTGTGCTGGGTGCTTCTCCCTCGCCAGCTGGGTTCCATGCCT  
 CTGCAGCGGTGCCTCATGTTTGTGTGTAGTTGCTGTCCCTAACAGTAAGAATCCACGGT  
 GACTCGCCTCATTATGCTTTTCTCCTCCTGAGCACTGTCGTATCCTATATCATGCA  
 GAGAAAAGAGATGAAACTTACTTGAAGAAGATTCTGGATTTTGTGAAGGGGATTTAA  
 AATCCATGAGGCTGATATAAATGCAGATAAAGATTGTGATGTGCTGGTTGGTTATAAAGC  
 TGTGTATCGGATCAGCTTTGCCATGGCCATCTTTTCTTTGTCTTTTCTGCTCATGTT  
 CAAAGTAAAAACAAGTAAAGATCTCCGAGCGGCAGTACACAATGGGTTTTGGTTCTTCAA  
 AATTGCTGCCCTTATTGGAATCATGGTTGGCTCTTTCTACATCCCTGGGGCTATTTAG  
 CTCAGTCTGGTTTGTGGTGGCATGATAGGGGCCGCCCTTTCATCCTCATTAGCTGGT  
 GCTGCTGGTAGATTTGCTCATTCTTGAATGAATCATGGGTAATCGAATGGAAGAAGG  
 AAACCAAGGTTGGTATGCTGCTTTACTGTCTTTCACAAGCGCCTTTTATATCCTGTC  
 AATCATCTGTGTCGGGCTGCTCTATACATATTACACCAAACCAGATGGCTGCACAGAAAA  
 CAAGTTCTTCATCAGTATTAACCTGATCCTTTGCGTTGTGGCTTCTATTATATCGATCCA  
 CCCAAAAATTGAGAACACCAGCCTCGCTCCGGCCTCTTGCAAGTCTCCCTCATCACCT  
 CTACACTATGTACCTCACCTGGTCAGCCATGTCCAATGAACCTGATCGTTCTGCAATCC  
 CAACCTGATGAGCTTTATTACACGCATAACTGCACCAACCCTGGCTCCTGGAAATTCAAC  
 TGCTGTGGTCCCTACCCCTACTCCACCATCAAAGAGTGGGCTTTTACTGGATTAGATAA  
 TTTTATTGGACTGTTTGTCTTTGTTCTCTGCCTTTGTATTCTAGCATCCGCACTCCAC  
 TAATAGCCAAGTAGACAAGCTGACCCTGTGAGGAGTGACAGCGTCATCCTTGGTGATAC  
 AACTACCAGTGGTCCAGTATAGCTACTCCTTATTCCACCTCATGCTCTGCTTGGCTTCTT  
 GAAAGAGGGAGTGCAAGTATAGCTACTCCTTATTCCACCTCATGCTCTGCTTGGCTTCTT  
 GTACATCATGATGACCCTGACCAGCTGGTACAGCCTGATGCAAAGTTTTCAGAGCATGAC  
 CAGCAAGTGGCCAGCTGTGTGGTCAAGATCAGCTCCAGCTGGGTCTGCCTCCTGCTTTA  
 CGTCTGGACCCTTGTGGCTCCACTTGTCTCCTCACCAGTCCGGGACTTCCAGCTGAACCTCTGA  
 GTGCCAAGGACCACTGGAACCTCACAAGGTCTCCTTACCAGAAACCCATATACCTTT  
 TAAGTTTGTTCAACTAAAAATTAAGTGAATGCTTTGCAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_198941

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<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_198941.1</a> , <a href="#">NP_945179.1</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] Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.