

## Product datasheet for **MG207238**

### Serinc1 (NM\_019760) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Serinc1 (NM_019760) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Serinc1
Synonyms:	1500011D18Rik; AI315070; AIGP-2; mKIAA1253; Tde1l; Tde2; TMS-2; Tms2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207238 representing NM\_019760  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGAGCGTTCTGGGCTGTGCTCCGTGGCGAGCTGGATTCCGTGTTTGTGTGGCAGTCCCCCGTGT  
 TGCTGTGCCGATGCTGCCCCAGTGGGAACAACCTCACTGTGACTAGATTGATCTACGCACCTTTCTTGCT  
 CGTCGGAGTATGTGTAGCTTGTGTAATGTAATACCAGGAATGGAAGAACAACCTGAATAAGATTCCTGGG  
 TTCTGTGAGAATGAGAAAGGTGTGTTCCCTGTAATATCCTGGTGGCTACAAAGCTGTGTATCGCCTGT  
 GCTTTGGTTTGGCCATGTTCTATCTTCTCCTCTTTACTAATGATCAAGGTAAGGAGCAGCAGTGACCC  
 TAGAGCGGCAGTCCACAATGGATTCTGGTTCTTTAAATTTGCTACAGCAGTTGCAATTATCATTGGCGCA  
 TTCTTCATCCCAGAAGGCACTTTACAACCTGTGTGTTTTATGTAGGCATGGCGGGCGCCTTTTGTTC  
 TCCTTATAACAACCTAGTCTTACTTATTGATTTTGGCCATTCTTGAATGAATCGTGGGTTGAAAAATGGA  
 AGAAGGGAACCTCAAGATGTTGGTATGCAGCCCTACTGTGCTACAGCTCTGAATTACTTGTGTCTTTA  
 GTTGCCGTGCTGCTATTCTTTGTCTACTACACTACCCAGCCAGCTGTGCAGAGAACAAGGCGTTTCA  
 GTGTCAACATGCTCCTCTGCATTGGCGCCTCAGTAATGTCCATTCTGCCAAGATCCAGGAATCACAAAC  
 AAGGTCTGGCTTGTACAGTCGTGAGTAAATACAGTCTACACAATGATTTGACATGGTCTGCTATGACC  
 AATGAACCAGAAACAATGCAATCCAAGTCTACTGAGCATCATTGGCTTCAATACCACAAGGCCTATTC  
 CAAAGGACGGGCAGTCTGTTCACTGGTGGCCTCAAGGAATTATAGGACTTGTCTTTTCTGCTGTG  
 TGTGTTTTATTGAGCATCCGTACCTCCAACAACAGTCAGGTTAATAAGCTGACTCTAACAAGTATGAG  
 TCAACATTGATAGAGGATGGGAATGGCAGAAGTGACGGATCACTAGATGATGGTATGGCATCCACCGAG  
 CTGTAGATAACGAGAGGGATGGAGTCAAGTACTCCTTTCACTTCTTCTGCTCTTCTTGGCTTC  
 ACTTTACATCATGATGACCCCTACCAATTGGTACAGGTATGAGCCTTCTCGTGAGATGAAAAGTCAGTGG  
 ACAGCAGTCTGGGTGAAAATCTTCCAGTTGGATTGGCCTTGTGCTGTACGTGTGGACACTAGTGGCAC  
 CACTTGTCTTACAAATCGGATTTTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207238 representing NM\_019760  
 Red=Cloning site Green=Tags(s)

MGSVLGLCSVASWIPCLCGSAPCLLCRCCPSGNNSTVTRLIYALFLLVGVCVACVMLIPGMEEQLNKIPG  
 FCENEKGVVPCNILVGYKAVYRLCFGLAMFYLLSLLMIKVKSSSDPRAAVHNGFWFFKFATAVAIIIGA  
 FFIPEGTFFTTVWFYVGMAGAFCFILIQVLVLLIDFAHSWNEVWEKMEEGNSRCWYAALLSATALNYLLSL  
 VAVVLFVYVYTHPASCAENKAFISVNMLLCIGASVMSILPKIQESQPRSGLLQSSVITVYTMYL TWSAMT  
 NEPETNCNPSLLSIIGFNTTRPIPKDQSVQVWHHPQGIIGLVFLLCVYSSIRTSNNSQVNLTLTSD  
 STLIEDNGRSDGSLDDGDGIHRAVDNERDGVYYSFFHFMLFLASLYIMMTL TNWYRYEPSREMKSQW  
 TAVVWKISSSWIGLVLYWTLVAPLVLTNRDFD

**TRTRPLE** - GFP Tag - V

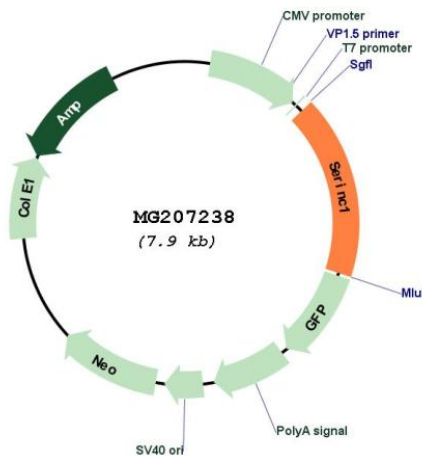
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_019760

ORF Size: 1359 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.

<b>Components:</b>	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>	<u><a href="#">NM_019760.3</a></u> , <u><a href="#">NP_062734.1</a></u>
<b>RefSeq Size:</b>	2889 bp
<b>RefSeq ORF:</b>	1362 bp
<b>Locus ID:</b>	56442
<b>UniProt ID:</b>	<u><a href="#">Q9QZL8</a></u>
<b>Cytogenetics:</b>	10 B4
<b>Gene Summary:</b>	Enhances the incorporation of serine into phosphatidylserine and sphingolipids. [UniProtKB/Swiss-Prot Function]