

Product datasheet for **RG206001**

SERINC1 (NM_020755) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SERINC1 (NM_020755) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SERINC1
Synonyms:	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:

>RG206001 representing NM_020755
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGGGAGCGTCCTGGGGCTGTGCTCCATGGCGAGCTGGATACCATGTTTGTGTGGAAGTGCCCGTGTT
 TGCATATGCCGATGCTGTCTAGTGGAAACAACCTCACTGTAAGTATGATCTATGCACCTTTCTTGCT
 GTTGGAGTATGTAGCTTGTGTAATGTTGATACCAGGAATGGAAGAACAACCTGAATAAGATTCCTGGA
 TTTTGTGAGAATGAGAAAGGTGTTGTCCCTGTAACTTTTGGTTGGCTATAAAGCTGTATATCGTTTGT
 GCTTTGGTTTGGCTATGTTCTATCTTCTCTCTTTACTAATGATCAAAGTGAAGAGTAGCAGTGATCC
 TAGAGCTGCAGTGCACAATGGATTTTGGTTCTTTAAATTTGCTGCAGCAATTGCAATTATTATTGGGGCA
 TTCTTCATTCCAGAAGGAACCTTTACAACGTGTGGTTTTATGTAGGCATGCCAGGTGCCTTTTGTTC
 TCCTCATACAACAGTCTTACTTATTGATTTTGCACATTCATGGAATGAATCGTGGGTGAAAAAATGGA
 AGAAGGGAACCGAGATGTTGGTATGCAGCCTTGTATCAGCTACAGCTCTGAATTATCTGCTGTCTTTA
 GTTGCTATCGTCCTGTTCTTTGTCTACTACACTCATCCAGCCAGTTGTTCAAGAAACAAGGCGTTCATCA
 GTGTCAACATGCTCCTCTGCGTTGGTGCTTCTGTAATGTCTATACTGCCAAAAATCCAAGATCACAACC
 AAGATCTGGTTTGTACAGTCTTCAGTAATTACAGTCTACACAATGTATTTGACATGGTCAGCTATGACC
 AATGAACCAGAAACAATTGCAACCAAGTCTACTAAGCATAATTGGCTACAATACAACAAGCACTGTCC
 CAAAGGAAGGGCAGTCAGTCCAGTGGTGGCATGCTCAAGGAATTATAGGACTAATCTCTTTTGTGTG
 TGTATTTTATCCAGCATCCGACTTCAAACAATAGTCAGGTAAATAAAGTACTCTAACAAGTGATGAA
 TCTACATTAATAGAAGATGGTGGAGCTAGAAGTGATGGATCACTGGAGGATGGGGACGATGTTACCCGAG
 CTGTAGATAATGAAAGGATGGTGTCACTTACAGTTATTCCTTCTTCACTTCATGCTTTTCTGGCTTC
 ACTTTATATCATGATGACCTTACCAACTGGTACAGGTATGAACCTCTCTGTGAGATGAAAAGTCAGTGG
 ACAGCTGTCTGGGTGAAATCTCTCCAGTTGGATTGGCATCGTGTGTATGTTGGACACTCGTGGCAC
 CACTTGTCTTACAAATCGTGATTTTGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206001 representing NM_020755
 Red=Cloning site Green=Tags(s)

MGSVLGLCSMASWIPCLCGSAPCLLCRCCPSGNNSTVTRLIYALFLLVGVCVACVMLIPGMEEQLNKIPG
 FCENEKGVVPCNILVGYKAVYRLCFGLAMFYLLLSLLMIKVKSSSDPRAAVHNGFWFFKFAAAIAIIIGA
 FFIPEGTFFTTVWFYVGMAGAFCFILIQVLIDFAHSWNESWVEKMEEGNSRCWYAALLSATALNYLLSL
 VAIVLFFVYYTHPASCENKAFISVNMLLCVGASVMSILPKIQESQPRSGLLQSSVITVYMYLTWSAMT
 NEPETNCNPSSLISIGYNTTSTVPKEGQSVQWWHAQGIIGLILFLLCVFYSSIRTSNNSQVKNKLTLSDE
 STLIEDGGARSDGSLEDGDDVHRAVDNERDGVTSYFFHFMLFLASLYIMMTLTNWYRYEPSREMKSQW
 TAVWVKISSSWIGIVLYWTLVAPLVLTNRDFD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_020755

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.

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_020755.4](#)

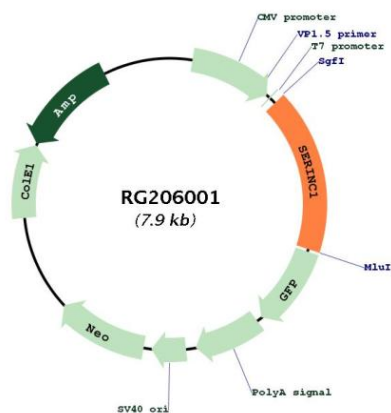
RefSeq Size: 3144 bp

RefSeq ORF: 1362 bp

Locus ID: 57515

UniProt ID:	<u>Q9NRX5</u>
Cytogenetics:	6q22.31
Domains:	TMS_TDE
Protein Families:	Transmembrane
Gene Summary:	Enhances the incorporation of serine into phosphatidylserine and sphingolipids. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206001