

Product datasheet for **RR207749**

Serinc1 (NM_182951) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serinc1 (NM_182951) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Serinc1
Synonyms:	LRRGT00191; Tde1l; Tde2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR207749 representing NM_182951
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAGCGTTTTGGGGCTGTGCTCCGTGGCGAGCTGGATTCCCTGTTTGTGTGGCAGCGCCCCGTGTT
 TGCTGTGCCGATGCTGTCTAGTGGGAACAACCTCACTGTGACTAGATTGATCTATGCACCTTTCTTGCT
 TGTGGAGTATGCGTAGCTTGTGTAATGTAATACCAGGAATGGAAGAACAACCTGAATAAGATTCCTGGG
 TTCTGTGAGAATGAGAAAGGTGTTGTTCTTGTAAATTTCTGGTTGGCTACAAAGCTGTGTATCGCTGT
 GCTTTGGCCTGGCCATGTTCTATCTTCTCTCTTTACTAATGATCAAAGTGAAAAGCAGCAGCGACCC
 TAGAGCCGCGGTCCACAACGGATTCTGGTTCTTTAAATTTGCTACAGCAGTTGCAATTATTATTGGCGCA
 TTCTTCATCCCAGAAGGCACTTTACAACGTGTGGTTTTATGTGGGCATGGCAGGCGCCTTTTGCTTCA
 TCCTTATAACAACAGTCTTACTTATTGACTTTGCCATTCTTGAATGAATCCTGGGTTGAAAAATGGA
 AGAAGGGAACCAAGATGTTGGTATGCAGCCCTGTTGTCAGCCACCGCTCTGAATTACTTGTGTCTCTG
 GTCGCCATCATCTGTTCTTTGTATACTATACTACCCAGCCAGCTGCTCAGAAAACAAGGCGTTATCA
 GTGTCAACATGCTGCTCTGCATCGGCGCTCTGTAATGTCCATTCTGCCAAGATCCAGGAATCACAAAC
 AAGATCTGGCTTGTACAGTCTTACAGTAATTACAATCTACACAATGTATTTGACATGGTCTGCTATGACT
 AATGAACCAGAAACAACCTGCAATCCAAGTCTGCTGAGCATCATTGGCTTCAATACCACAAGACCTGTCC
 CAAAGGACGGGCAGTCTGTTCAAGTGGTGGCCTCAAGGAATTATAGGACTCGTTCTTCTCTGCTCTG
 TGTGTTTTATTTCAGCATCCGTACCTCCAACAACAGTCAAGTTAATAAAGTACTAACAAGTATGAG
 TCAACATTAATAGAGGACGGGAATGGCAGAAGTACAGTTACTCCTTTCACTTCACTGCTCTTCTGCTTC
 GCTTTACATTATGATGACCTTACCAACTGGTACAGGTATGAGCCTTCTCGTGAGATGAAGAGTCAATGG
 ACAGCAGTCTGGGTGAAAATCTTCCAGTTGGATTGGCATTGTGCTGTATGTTGGACACTGGTGGCAC
 CACTTGTCTTACCAATCGGATTTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207749 representing NM_182951
 Red=Cloning site Green=Tags(s)

MGSVLGLCSVASWIPCLCGSAPCLLCRCCPSGNNSTVTRLIYALFLLVGVCVACVMLIPGMEEQLNKIPG
 FCENEKGVVPCNILVGYKAVYRLCFGLAMFYLLSLLMIKVKSSSDPRAAVHNGFWFFKFATAVAIIGA
 FFIPEGTFFTVWFYVGMAGAFCFILIQLVLLIDFAHSWNESWVEKMEEGNSRCWYAALLSATALNYLLSL
 VAILFFVYTHPASCENKAFISVNMLLCIGASVMSILPKIQESQPRGSLQSSVITIIYMYLTWSAMT
 NEPETNCPNPSLLSIFGNTTRPVKDGQSVQWWHPQGIIGLVFLLCVFYSSIRTSNNSQVNKLTLTSD
 STLIEDNGRSDGSLDDGEGVHRAVDNERDGVTSYSFFHFMLFLASLYIMMTLTNWRYEPSREMKSQW
 TAVVWKISSWIGIVLYVWTLVAPLVLTNRDFD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

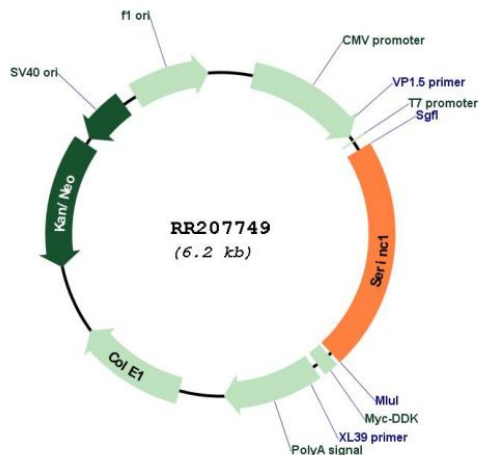
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_182951

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:	<ol style="list-style-type: none">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.
RefSeq:	<u>NM_182951.1, NP_891996.1</u>
RefSeq Size:	2717 bp
RefSeq ORF:	1362 bp
Locus ID:	294421
UniProt ID:	<u>Q7TNK0</u>
Cytogenetics:	20q12
MW:	50.6 kDa
Gene Summary:	human homolog is a central nervous system specific transmembrane protein [RGD, Feb 2006]