

Product datasheet for **MG207184**

Serinc2 (BC031720) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serinc2 (BC031720) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Serinc2
Synonyms:	TDE2, FKSG84
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207184 representing BC031720
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGCCTGTCTCGGGCCTGCTCCCTGCTCAGCTGCGCATCCTGCCTCTGCGGCTCTGCACCCTGCA
 TCCTATGTGGCTGTTGCCCTCAACCCGCAACTCCACGGTGAGCCGCTCCTCTTACCAGCTTCCCTTT
 CTTGGGGGTGCTGGTGTCCATCATCATGCTGAGCCGGGAGTGGAGAGTCACTTTACAAGCTGCCTGG
 GTGTGTGAGGACAGAACCCAGCAACCCCTGGTCTGCAGGGGCCCTGGATTGCGGCTCCCTGCTGGGT
 TCCGCGTGTCTACCGTATGTGCTTTGCCACAGCAGCCTTTTTCTTCTTTCATGCTGTTAATGATCTG
 TGTCCGAGTAGCCGGACCCGCGAGCAGCCATCCAGAACGGTTTTGGTTTTTAAATTCCTGATCCTT
 GTGGGTACTACTGTGGGCGCCTTCTACATCCCTGATGGCTCCTTCCCAAGATCTGGTCTACTTTGGCG
 TCGTGGGCTCCTCCTTTCATCCTCATCCAGTATCCTGTTTGTGACTTTGCCACTCCTGGAATCA
 GCGGTGGCTGTGAAGGCCGAGGAGTGTACTCTCCAGCCTGGTACGAGCCTTTTCTTCTCACCTTC
 CTCTTCTACCTGTTGCCATCGCTGCTGTGGCACTGATGTTGCTCTACTACACGGAGTCTGGTGCCTGCC
 ATGAGGGCAAGGTCTTATCAGCCTCAATCTCACCTTCTGTGTCTGCGTCTCCATCATTGCTGTCCTGCC
 CAAGGTCCAGGATGCTCAGCCAACTCGGGTCTGCTGCAAGCCTCCGTCATAACCTTGATACAATGTTT
 GTCACCTGGTCTGCCCTATCCAACGTCCCTGACCAAAAATGCAACCCTCACCTGCCCACTAAAAATGGAA
 CAGGCCAGGTGGACTTGGAGGACTACAGCACGGTGTGGTGGGATGCCCGAGCATTGTGGGCTCGTCAT
 CTTTCATCTGTGCACCTTCTTATTAGCCTGCGATCCTCTGACCACCGTCAAGTGAACAGCCTGATGCAG
 ACAGAGGAGTGTCCGGCAGAGATGGTGCAGCAGCAGCAGTGGCCGTAGTGTGAGCAGCCTATGACA
 ATGAGCAGGATGGTGTACCTACAGTACTCCTTCTTCCACTTCTGCCTGGTGTGCTGCCTCCCTGCATGT
 CATGATGACGCTTACCAACTGGTACAGCCCTGGAGAGACCCGGAAGATGATCAGCACTTGGACCTCAGTG
 TGGGTGAAGATCTGTCCAGCTGGGCGGGCTGTTCTCTACCTGTGACCCTAGTGGCACCCCTGCTCC
 TGCCCAACAGAGACTTCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207184 representing BC031720
 Red=Cloning site Green=Tags(s)

MGACLGACSLLSASCSCGSAFCILCGCCPSTRNSTVSRLLFTSFLFLGVLVSIIMLSPGVESQLYKLPW
 VCEDRTQQPLVLQGPLDCGSLGFRVYRMCFAATAAFFFFMLLMICVRSSRDPRAAIQNGFWFFKFLIL
 VGITVGAIFYIPDGSFPIWYFYGVVGSFLFILIQLILFVDFAHSWNQRLCKAEEDSPAWYAGLFFFTF
 LFYLLSIAAVALMFVYYTESGACHEGKVFISLNLTFVCVSIIVLVPKVQDAQPNSGLLQASVITLYTMF
 VTWSALSNVPDQKCNPHLPTKNGTGQVDLEDYSTVWWDAPSIVGLVIFILCTFFISLRSSDHRQVNSLMQ
 TEECPAEMVQQQVAVSDGRAYDNEQDGVYTSYFFHFCLVLASLHVMMTLTNWYSPGETRKMISTWTSV
 WVKICASWAGLFLYLWTLVAPLLLPNRDFS

TRTRPLE - GFP Tag - V

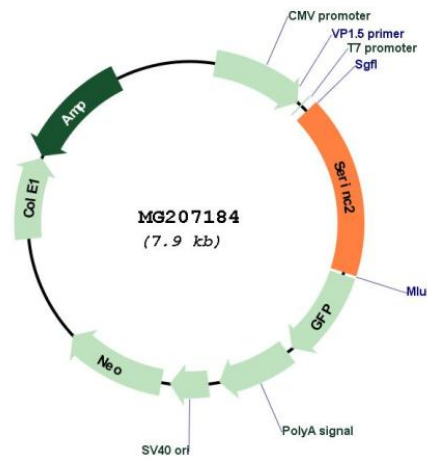
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC031720

ORF Size: 1352 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>BC031720</u> , <u>AAH31720</u>
RefSeq Size:	1868 bp
RefSeq ORF:	1352 bp
Locus ID:	230779
Cytogenetics:	4 D2.2