

Product datasheet for **MG211324**

Sez6l (NM_019982) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sez6l (NM_019982) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sez6l
Synonyms:	Acig1; AI843918; AIG1; AW539724; BSRP-B; mKIAA0927
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211324 representing NM_019982
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCCGTGGCACGGCCACAAGCCGCGGGACCCGACAGGATCTCTGTTCCTTGTGCGCTTCCTTCTGG
 GGAGCCCCGCGGAGCTCAGGCGGAAGATGGTGGTCCAGAGGGAGAGATGCACCCTTCCACTGCCTACCT
 CCTGCCCTCTGCCTCGCTGGAGAGTAGCCTGGAAGAGGGGTGACATCAGCAGCCCCAGGTCCTCTGCCA
 TCCCAAGAAGCACTGGAAGCAATGGAAGAGTCTTGCCCCCTGCGCTGCCGACGAGGCCAGTGTCCAGC
 ACACGCTGCCCTAAGGAAGGGTCTGCCGTCCCTGAAGCAACTCAACTCGGCCCGGAGGCAGCTGAGGCC
 CCTGGCTACCCCGACAACCTGTCAGAGACTGGGTCTCTGCCTTCTGCCACCACGAAGCTGCGTGAGCCT
 GAAGACCCCGAGCAGCCACGGCGCTGCGCCACTGCAGATCGCGCCCTTCACTGCACTGGCGACCACAC
 TCCCACACAGCCCTCAGCCCGCTCAGGCCCTGATGACAGCAGCCCCGGTAGCCCGCTGGACAAGGGGA
 CAATGAGCTGACCGGGTCTGCCTCCGAGGAGGCCAGGAGACCACCAGTCCACCATCGTCACTACCACC
 ATCATACCACGAGCAGGCCCCAGCTCTCTGCGGTGTGAGCTTCTCCGACCCGGAGGGATACATTGACT
 CAAGTGATTTCCCTCCACAACCCCTACAGCAGCTTCTTGAATGCACCTTACAATGTGACGGTCTACACTGG
 CTACGGGGTGGAACTGCAGGTCAAGAGTGTCAACCTCTCCGAGGGGGAGCTGCTCTCCATCCGAGGAGTG
 GACGGTCCCCTCTGACAGTCTGGCCAACCAGACTCTACTGGTAGAGGGCCAGGTGATCCGACGCCCA
 CCAACACCATCTCTGTCTACTCCGACCTTCCAGGATGATGGCTCGGGACCTTCCAGCTACATTACCA
 GGCCTTATGCTGAGCTGCCCTTTCCCGGAGGCCGATGCCGAGAGGTACGGTGTGATGGATCTGCAC
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 TCAATGCCTCAAACCGCACTGGAGCAGCCAGGACCTGTCTGCTCAGCCCATGTGGAGGAGCATGCA
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 GCAGCTTCCGCTTCAACATCCGCTTTGAGGCCTTTGAGAAAGGCTACTGCTATGAACCTACATCCAAA
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 GAGCCTCTATGCAGAGCCATGTGTGGTGGGAGCTCTCTGCTGTGGCTGGGGTGGTGTCTCTCAAAC
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 CCCCACGTCTGGGCCAGTACTTTGGCCACAGCAGCCCTCAGAAGCTGTACTCTCCACACCCGACCTCA
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 GTCCTCACTGGAAGGTGGGAACATGGCGCTGGCCATCTTATTCCGGTCTTCTCATCTCCTTGTACTG
 GGAGGAGCTACATCTACGTACGAGGTGCCACAATACTCCAGCCTCCGCTACCCCTCATGTACTCCC
 ACCCTACAGTCAGATCACCGTGGAGACTGAGTTCGACAATCCCATCTACGAGACTGGGGAAACAAGAGA
 GTATGAAGTTCCATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211324 representing NM_019982
 Red=Cloning site Green=Tags(s)

MPVARPQAAGPDRISLFLVAFLLGSPAAAQAEDGGPEGEMHPSTAYLLPSASLESSLEEGVTSAAPGLLP
 SQEALEAMEESLPPALPDEASVQHTPALRKGLPSLKQLNSARRQLRPLATPTTLQRLGSPASATTKLREP
 EDPEQPTAPAPLQIAPFTALATTLPHSPQPAQAPDDSSPGSPLDKGDNELTGSASEESQETTTSTIVTTT
 IITTEQAPALCGVSFSDPEGYIDSSDFPPQPYSSFLECTYINVTVYTG YGVELQVKS VNLSEGELLSIRGV
 DGPTLTVLANQTLLEGGVIRSPNTNISVYFRTFQDDGLGTFQLHYQAFMLSCPFPRRPDAGEVTVMDLH
 SGGVAHFHCHLGYELQGAKLTCINASKPHWSSQEPVCSAPCGGAVHNATIGRVLSPSFPGTANGSQLCV
 WTIEAPEGQKLHLHLERLLLHEKDRMIVYSGRTNTSALLYDSLRTESVPFEGLLSEGSSIRIEFTSDQGQ
 AASAFNIRFEAFEKGHCYEPYIQNGNFTTSDPTYNIGTIVEFTCDPGHSLEQGPVIECVNVRDPYWN
 EPLCRAMCGGELSAVAGVVLSPNWPEPYAEGEDCVWKIHWGEEKRIFLDIQFLNLSNSDILTIYDGEV
 PHVLGQYFGHSSPQKLYSSTPDLTIQFHSDPAGLIFGKGQGFIMNYIEVSRNDSDDLPEIQNGWKTTS
 TELVRGARITYQCDPGYDIVGSDTLTCQWDLWSSDPPFCEKIMYCTDPGEVEHSTRLISDPVLLVGT
 TI QYTCSPGFVLEGSLLTCYSRETGTPIWTSRLPHCVSEESLACDNPGLPENGYQILYKRLYLP
 GESLTFM CYEGFELMGEVTRCILGQPSHWSGPLPICKVNQDSFEHAL EEA AESSLEGGN MALAIF
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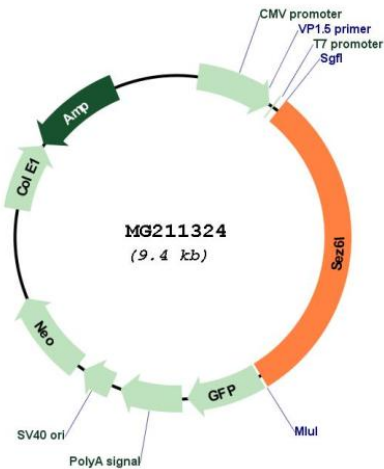
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_019982

ORF Size: 2886 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.

RefSeq: [NM_019982.3](#)

RefSeq Size: 6073 bp

RefSeq ORF: 2889 bp

Locus ID: 56747

UniProt ID: [Q6P1D5](#)

Cytogenetics: 5 F

Gene Summary: Candidate tumor suppressor gene. May contribute to specialized endoplasmic reticulum functions in neurons.[UniProtKB/Swiss-Prot Function]