

Product datasheet for **RR200845**

Sez6l (NM_001134538) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sez6l (NM_001134538) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sez6l
Synonyms:	RGD1563628
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200845 representing NM_001134538
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGTGGACCGCCACAAGCCGCGGGACCCGACAGGATCTCTGCTCCTGGTCGCCTTGCTTCTGG
 GGAGCCCCGTGGCAGCTCGGGCGGAAGATGGTGGTCCAGAGGGAGACATGCACCCTCCACCGCCTACCT
 CCTGCCCTCTGCCTTGCTGGAGGCAGCCTGGAAGAGGGGTGACATCAGCAGCCCCAGGTCCTCCCTGCCA
 TCCCGGAAGCACTGGAAGCACTAGAAGGGTCTTGCCCCCTCTGTTCCCCGATGAGGCCAGAGTCCAGC
 ATACCCCATCCCTAAGGAAGGCTCTGCCGTCCCTGAAGCAACTCACTCAGCCCCGAGGCAGTTGAGGCC
 CCTGGCTACCCCGACAACCTGTCAGAGACTGGGATCCCTTCTCGGCTACCACGAAGCCACGTGAGCCT
 GGAGACCCGGAGCAGCCTACAGCGCCTGCGCCACTGCAGATCGCACCCCTCACCGCTCTGGCTACTACAC
 TTCCACACAGCCCGCAGCCCGCAGGCCCGGATGACAGCAGCCTCAGTAGCCCGCTGGACAAGGGTGA
 CAATGAGCTGACCGGGTCTGCCTCTGAGGAGAGCCAGGAGACCACCAGTCCACCATCGTACCACCACC
 ATCATCACCGAGCAGGCCCCAGCTCTGCGGTGTGAGCTTCTCGGACCCCGAGGGATACATTGACT
 CAAGTGATTTCCCTCCTCAGCCCTCCAGCAGCTTCTGGAATGCACCTACAATGTGACTGTCTACACTGG
 CTACGGGGTTGAACTGCAGGTGAAGAGTGTCAACCTATCTGAGGGGGAGCTGCTCTCCATCCGAGGAGTG
 GACGGCCCCACCCTGACAGTCTGGCAACCAGACTCTCCTGGTGGAGGGCCAGGTGATCCGAAGCCCCA
 CCAACACCATCTCTGTCTACTCCCGACCTTCCAGGATGACAACCTTGGGACCTTCCAGCTACATTACCA
 AGCTTTTATGCTGAGCTGCAACTTTCCCGACGGCCCGATGCTGGAGACGTCACAGTGTGGATCTGCAC
 TCTGGCGGGTGGCCCACTTCCACTGCCACCTGGGCTACGAGCTGCAGGGAGCCAAGACGCTGACCTGCA
 TCAATGCCTCAAACCCGCACTGGAGCAGCCAGGACCTGTCTGCTCAGCCCGTGTGGAGGAGCAGTGA
 CAATGCCACCATCGGCCGAGTTCTGTCCCCAGTTACCCGGGAAACACCAATGGCAGCCAGCTCTGTGTG
 TGGACCATCGAGGCTCCAGAGGGCCAGAAGCTTCACTTGCATCTTGAAGGCTACTGCTGCATGAGAAA
 ACAGGATGGTTGTCTACAGTGGACGGACAAACACGTCAGCCCTCTGTACGACTCACTCCGAACAGAGAG
 CGTGCCCTTCGAGGGCCTGCTGAGCGAGGGTAGCAATATCCGCATCGAGTTCACCTCTGACCAGGGCCAG
 GCAGCCTCCGCTTCAACATTCGCTTTGAGGCCTTTGAGAAAGGCTACTGCTACGAACCTATATCCAAA
 ACGGGAATTTACCACATCGGACCCACCTATAACATCGGTACCATTGTGGAGTTCACCTGCGACCTGG
 CCACTCTCTGGAACAGGGCCAGCTGTCATTGAGTGCCTGAATGTGCGGGACCCATACTGGAATGACACG
 GAGCCTCTATGCAGAGCCATGTGTGGTGGGAGCTCTCTGCTGTGGCTGGGGTGGTGTCTCTCAAAC
 GGCCAGAGCCCTATGCAGAAGGTGAAGACTGTGTGTGAAAATCCACGTTGGGGAGGAGAAGCGGATCTT
 CCTGGACATTCACCTGAATCTAAGCAACAGCGACATCCTGACCATCTATGACGGAGATGAGGTTGTGCC
 CACGTCCTGGGCAATACTTTGGCAACAGCAGCCCTCAGAAGCTGTACTCTCCACGCCGGACCTCACCA
 TCCAGTTCACCTCGGATCCTGCTGGCCTCATCTTTGGCAAGGGCCAGGGATTTATCATGAACTATATAGA
 GGTGTCACGGAACGACTCCTGCTCAGACTTGCCTGAAATTCAGAACGGCTGGAAAACCACTTCCACACG
 GAGCTGGTCAGGGGAGCCCGGATCACAATACCAGTGGCACCCTGGCTACGACATCGTGGGGAGTGACACC
 TCACCTGCCAGTGGACCTCAGCTGGAGCAGCGACCCCGCTTTTGTGAAAAGATTATGTACTGTACTGA
 CCCCAGGGAGGTAGAGCACTCCACCCGCTCATCTCAGACCCTGTGCTGCTAGTGGGCACCACCATCCAG
 TACACCTGTAGCCCTGGGTTGTGCTTGAAGGGAGCTCTTCTCACCTGCTACAGCCGCGAGACAGGAA
 CTCCCATCTGGACGCTCTGCCTGCCCACTGTGTCTCCGAGGAGTCCCTGGCGTGTGACAACCCAGGGCT
 GCCTGAAAACGGATACCAGATCCTGTATAAGCGGTTGTACCTACCCGGAGAGTCCCTCACGTTTATGTGC
 TACGAGGGCTTTGAGCTCATGGCGAAGTGACCATCCGGTGCATTCTGGGACAGCCGTCCTATTGGAGCG
 GGCCCTGCCATCTGTAAAGTTAACCAAGACAGTTTTGAACATGCGTTGGAAGCAGAAGCAGCAGCAGA
 GTCCTCACTGGAAGGCGGAACATGGCCCTAGCCATCTTATTCCGGTCTTCTCATCTCCTTGTACTG
 GGAGGAGCTACATCTATGTCAGAGGTGCCACAATATCCAGCCTCCGCTGCCCTCATGTACTCCC
 ATCCCTACAGCCAGATCACTGTGAAAACAGTTCGACAACCCCATCTATGAGACTGGGGAACGAGAGA
 GTATGAAGTTTCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200845 representing NM_001134538
 Red=Cloning site Green=Tags(s)

MTVAPPQAAGPDRISLLLVALLLGGSPVAARAEDGGPEGDMHPSTAYLLPSALLEGSLEEGVTSAAPGPLP
 SREALEALEGSLPPLFPDEARVQHTPSLRKALPSLKQLNSARRQLRPLATPTTLQRLGSPSSATTKPREP
 GDPEQPTAPAPLQIAPFTALATTLPHSPQPAQAPDDSSLSPLDKGDNELTGSASEESQETTTSTIVTTT
 IITTEQAPALCGVSFSDPEGYIDSSDFPPQSSSFLECTYNVTVYTG YGVELQVKS VNLSEGELLSIRGV
 DGPTLTVLANQTLLEGGVIRSPNTISVYFRFTFQDDNLGTFQLHYQAFMLSCNFRRPDAGDVTVMDLH
 SGGVAHFHCHLGYELQGAKTLCINASKPHWSSQEPVCSAPCGGAVHNATIGRVLSPSYPGNTNGSQLCV
 WTIEAPEGQKLHLHLERLLLHEKDRMVVYSGRTNTSALLYDSLRTESVPFEGLLSEGSNIRIEFTSDQGG
 AASAFNIRFEAFEKGHCYEPYIQNGNFTTSDPTYNIGTIVEFTCDPGHSLEQGPVIECVNVRDPYWN
 EPLCRAMCGGELSAVAGVVLSPNWPEPYAEGEDCVWKIHWGEEKRIFLDIHLNLSNSDILTIYDGDVVP
 HVLGQYFGNSSPQKLYSSTPDLTIQFHS DPAGLIFGKGQGFIMNYIEVSRNDSDDLPEIQNGWKTTSHT
 ELVRGARITYQCDPGYDIVGSDTLTCQWDLWSSSDPFCEKIMYCTDPGEVEHSTRLISDPVLLVGTTIQ
 YTCSPGFVLEGSLLTCYSRETGPIWTSRLPHCVSEESLACDNPGLPENGYQILYKRLYLPGESLTFMC
 YEGFELMGEVTIRCILGQPSHWGPLPICKVNQDSFEHALEAEAAAESSLEGGNMALAIIPVLLISLLL
 GGAYIYVTRCRQYSSRLPLMYSHYPYSQITVETEDNPIYETGETREYEVSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3486_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



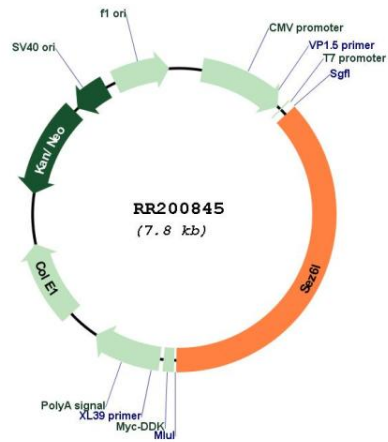
* The last codon before the Stop codon of the ORF

ACCN: NM_001134538

ORF Size: 2886 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_001134538.1, NP_001128010.1</u>
RefSeq Size:	3644 bp
RefSeq ORF:	2889 bp
Locus ID:	304554
Cytogenetics:	12q16
MW:	104.7 kDa

Product images:



Circular map for RR200845