

Product datasheet for **RR209744**

Sez6l2 (NM_001107550) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sez6l2 (NM_001107550) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sez6l2
Synonyms:	RGD1565281
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR209744 representing NM_001107550
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGACTCCCAAGGCCAGCACCCGCCGCTTCCAGCTGTTGTTCTAATTCTGCTGAGCTGTGCCT
 GGATTGAGGGTTTGCCTTGAAGGAGGATGAGATGATGCCAGAGCCTGGAAGTGAGACTCCACAGTGGC
 CTCTGAGGACCTGGCTGAGCTGCTCCATGGGGCTTTGCTGCGGAAGGGCCAGAGATCGGCTTCTTGCCG
 GGATCTGACCCAGACCCACACTAGCCACCCCTCCAGCCGGCCAGACTCTTGACAGACCCTCCCTGCCAC
 GTGCCACTGAGCCGGGGACAGGGCCTCTGACGACAGCTGTACCCTAAAGGGGTGAGAGGGTACAGGCC
 CACCGCACCAGAGCTGCTGACCCACCCCTGAACTACAGCCCCGCCCCACCTGGCCCCGCTCCCCG
 GTCCACCCCTCAGGCCGAGGGAGGAGGAAGAAACCACCACCACCATCATCACCACAACAAGTGTAA
 CCACTACTGTACCAGCCAGTTCTGTGCAATAACAACATCTCCGAGGGCGAAGGGTTTGTGGAATCTCC
 AGACTTGGGGAGCACTGCCAGCCGCTCTGTGGAGCTCCTAGATTGCACCTACAGCATCCAGTCTACCT
 GGTATGGCATTGAGATTGAGTGCAGACTCAACCTCTCTCAGGAGGAGGAGCTCCTGGTGTGGCTG
 GTGGGGCTCTCCAGGCCTGGCCCCAGACTCCTGGCTAATTCCTCCATGCTGGGAGAAGGACAAGTGT
 TCGGAGTCCAACAACCGGCTGCTCCTGCATTTCCAGAGTCTCGAGTCCCAAGGGGAATGGCTTCAGG
 ATTCACTATCAGGCATACCTTCTGAGCTGTGGCTTCCACCCCGCCAGCCCATGGGGACGTGAGTGTGA
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 CCTCATCTGCCTCAATGGCACCCGGCCAGCCTGGACTGGTGAACCCCTAGTGCACAGCATCTTGTGGT
 GGTACCATCCACAATGCCACACTGGGTGCAATTGTGTCCCCTGAGCCTGGGGAGCTGCAGGGCCCAACC
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 GGATGAGGACAATGACCGCTGATGGTGCCTCAGGGGGAAGCCCTGTCCCCTGTGATTATGACTCT
 GACATGGATGATGTCCCAGCCTGGCCTCATCAGTGACGCCAGTCCCTCTACGTAGAAGTGTCTTCAG
 AGACGCCAGCAACCCCTGCTGCTCAGCCTCCGGTTTGAAGCCTTTGAGGAGGATCGTGTCTCCCGCC
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 GGTACTCTCTCCGACTGGCCCCAGAGTTACAGTCTGGCCAAGACTGCGTGTGGGGCTGCACGTCCAG
 GAAGAGAAGCGCATCTTGTCCAAGTTGAAATCTTGAATGTTGCGGAAGGGGATATGCTAACACTGTTCCG
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 CTCTGGACCTGATCTCACTCTGCAGTTTCAAGCACCCCTGGGCCTCAAATCCGGGCTAGGCCAGGGT
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 GGAGGACAGCATCCACGGGGACCTTATCCGGGGCACCCTGCTCACTTACCAATGCGAGCCTGGTACGA
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 TGCTGAACCCCGCGTTCTGAGAATGGCTACCAGACATTGTACAAGCATCATTACCAAGCGGGGAGT
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 TATGAAGCTGGGATACAAGGAATATGAAGTTTCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209744 representing NM_001107550
 Red=Cloning site Green=Tags(s)

MGTPKAQHPPPSQLLFLILLSCAWIEGLPLKEDEMPEPGETPTVASEDLAELLHGALLRKGPEIGFLP
 GSDPDPTLATPPAGQTLAAPSLPRATEPGTGPLTTAVTPKGVRSAGTAPPELLTPPPGTTAPPPGPASP
 VPPLRPEGEEETTTTIIITTTTITTTTSPVLCNNNISEGEGFVESPDLGSTASRSVELLDCTYSIHVYP
 GYGIEIQVQTLNLSQEEELLVLAGGGSPGLAPRLLANSMLGEGQVLRSPNRLLLHFQSPRVPRGNGFR
 IHYQAYLLSCGFPPRPAHGDVSVTDLHPGGTATFHCDSDGYQLQGEETLICLNGTRPAWTGEPSSCTASCG
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 DMDDVPERGLISDAQSLYVELLSETPANPLLLSLRFEAFEEDRCFPFLAHGNVTTTDPEYRPGALATFS
 CLPGYALEPPGPPNAIECVDPTEPHWNDTEPACKAMCGGELSEPAGVVLSPDWPQSYSPGQDCVWGLHVQ
 EEKRILLQVEILNVREGDMLTLFDGDGPSARVLAQLRGPQPRRLLSSGPDLTQFQAPPGPPNPLGLGQG
 FVLHFKEVPRNDTCPELPPPEWGWRTASHGDLIRGTVLTYQCEPGYELLGSDILTCQWDLSWAAPPACQ
 KIMTCADPGEITNGHRTASDAGFPVGSVYRCLPGYSLEGAAVLTCYSRDTGTPKWSRVPKCALKEYE
 CLNPGVPENGYQTLYKHHYQAGESLRFFCYEGFELIGEVTITCVPGHPSQWTSQPPLCKVAYEELLNDRK
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

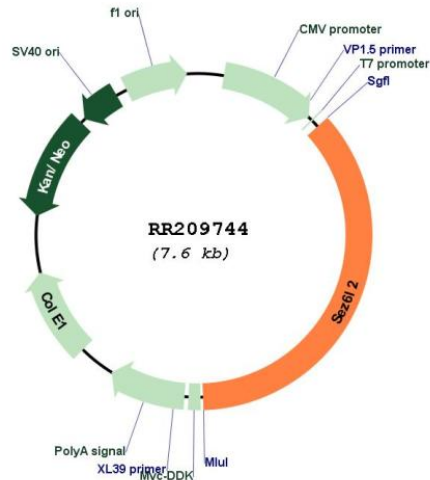
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107550

ORF Size: 2769 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_001107550.2](#), [NP_001101020.1](#)

RefSeq Size: 4207 bp

RefSeq ORF: 2772 bp

Locus ID: 308988

Cytogenetics: 1q37

MW: 99.2 kDa