

## Product datasheet for **MR231454**

### Sez6 (NM\_001291225) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sez6 (NM_001291225) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sez6
Synonyms:	BSRP-C; D11Bhm177e; sez-6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR231454 representing NM\_001291225  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGCCAGCAGCCCTGCTGCTCCTGCCCTCGTCTGGCGCTCCTGGCTCACGGACTCTCCTCAGAGG  
 CTTCCGATCACGGGGAAGGTCATGCCACGGGCATCAGGGAGACGGATGGGGAGCTGACCGCAGCCCTAC  
 ACCTGAGCAGTCAGACCGAGCGTCCACTTCGTCACCACAGCCCTACCTCAAGCTGCTCAACCACCAC  
 CCACTTCTGGAAGAATTTCTTCAAGAGGGGCTAGAAAAGAGAGGAAGCGCCGAGCCTGCACTGCCCTTCC  
 AGCCGGACTCACCTACACTTTACTCCAAGCCCCCTCCCCGCCTACCAACCAGGACAACCGCCCGT  
 CTTTACCAGTCCGACTCCAGCCGTGGCTGCAGCACCCACCAGCCCACTCCAGGGAGAACTTGGAAC  
 CTAGAATCCAACCCCTGAGCTTTCTATCACATCGTCCCTTCTCCAGGGCCGAGTATGGCAGTGCCCA  
 CACTGCTCCAGAGGACAGACCCAGTACTACCCCTAGCCAAGCATGGACTCCAACTCAGGAGGTCC  
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 GCAGCCCACTTCCATTGTGCCACTGGTACCAGCTCAAGGGTGCCAGTTCTCACCTGTCTCAATGC  
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 GGAGCCTTATGGCCGAGGGCAGGACTGCATCTGGGGTGTGCATGTGGAGGAGGACAGCGCATCATGCTG  
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 GGGTCTGGGCCAATACTCAGGGCCCCGTGGCCACTTCAAGCTCTTTACCTCCATGGCCGATGTCACCAT  
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 GTTCCCGCAACGACACATGTCCAGAGTACCCGAGATCCCCAACGGCTGGAAGAACCCATCACAGCCTG  
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 CCCACCACCCATCTGTAGGGCTTGTCCAAGGCACCTGCCGCTCCAGTGCCTGGACGCTGCTCACCTG  
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 GATTCCAGGGGAAAAGTCCCCTGCAACTCCCCGAACCTATCCTCGCCCTATAACCGCATCAGGTTAGA  
 GTCAGCATTTGACAATCCAATATGAGACTGGAGAGACGAGAGAATATGAAGTTTCCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231454 representing NM\_001291225  
 Red=Cloning site Green=Tags(s)

MRPAALLLLPSLLALLAHLGHSSEAPITGEGHATGIRETDGELTAAPTPEQSDRGVHFVTTAPTLKLLNHH  
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 LESKPELSITSSLPPGSPMAVPTLLPEDRPSSTPPSQAWTPTQEGPDMDRPWVPEVMSKTTGLGVEGT  
 IATSTASGDDEETTTTIIITTTVTTVQPPGPCSWNFSGPEGLSDSPTAPSSPSDVGLDCFYYISVYPGYGV  
 EIKVENISLQEGEITITVEGLGGPDPLPLANQSFLLRGQVIRSPTHQAALRFQSLPLPAGPGTFHFRYQAY  
 LLSCHFRRRPAYGDVTVTSLHPGGSAHFHFCATGYQLKGARFLTCLNATQPFWDSQEPVCIACGGVIRNA  
 TTGRIVSPGFPNGYSNNLTCHWLLEAPESQRLHLHFKEVSLAEDDDRLLIIRNGNNVEAPPVYDSYEVEYL  
 PIEGLLSGRHFFVEFSTDSSGAAAGMALRYEAFQGGHCYEPFVKYGNFSSSAPSYVGTTFVEFSCDPGY  
 TLEQGSIIIECVLDHDPQWNETEPACRAVCSGEITDSAGVVLSPNWPEPYGRGQDCIWGVHVEEDKRIML  
 DIRVLRIGSGDVLTFYDGDLDLTVLGGQYSGPRGHFKLFTSMADVTIQFQSDPGTSALGYQQGFVIHFFE  
 VPRNDTCPPELPEIPNGWKNPSQPELVHGTVVTYQCYPGYVVGSSILMCQWDLWSWEDLPSQCRVTSCHD  
 PGDVEHSRRLISSPKFPVATVQYVCDQGFVL TGSAILTCHDRQAGSPKWSDRAPKCLLEQFKPCHGLSA  
 PENGARSPEKRLHPAGATIHFSAPGYVLKGQASIKCVPGHPSHSDPPPICRAVAKAPAASSALDAAHL  
 AAAIFLPLVAMVLLVGGVYLYSRFQGSPLQLPRTHPRPYNRITVESAFDNPTYETGETREYEVSI

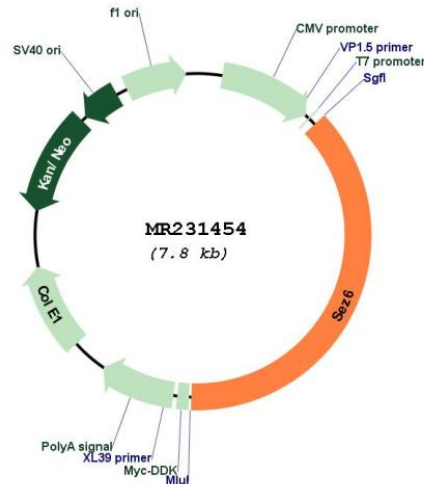
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001291225

**ORF Size:** 2931 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\\_001291225.1](#), [NP\\_001278154.1](#)

**RefSeq Size:** 4164 bp

**RefSeq ORF:** 2934 bp

**Locus ID:** 20370

**UniProt ID:** [Q7TSK2](#)

**Cytogenetics:** 11 46.74 cM

**MW:** 106.5 kDa

**Gene Summary:** May play a role in cell-cell recognition and in neuronal membrane signaling. Seems to be important for the achievement of the necessary balance between dendrite elongation and branching during the elaboration of a complex dendritic arbor. Involved in the development of appropriate excitatory synaptic connectivity.[UniProtKB/Swiss-Prot Function]