

## Product datasheet for **MC229243**

### Sez6 (NM\_001291225) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sez6 (NM_001291225) Mouse Untagged Clone
Tag:	Tag Free
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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**Fully Sequenced ORF:** >MC229243 representing NM\_001291225  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGCCAGCAGCCCTGCTGCTCCTGCCCTCGTCTGGCGCTCCTGGCTCACGGACTCTCCTCAGAGG  
 CTCGATCACGGGGAAGGTCATGCCACGGGCATCAGGGAGACGGATGGGGAGCTGACCGACGCCCTAC  
 ACCTGAGCAGTCAGACCGAGCGTCCACTTCGTACCACAGCCCTACCTCAAGCTGCTCAACCACCAC  
 CCACTTCTGGAAGAATTTCTTCAAGAGGGGCTAGAAAAGAGAGGAAGCGCCGACGCTGCACTGCCCTTCC  
 AGCCGGACTCACCTACACTTTACTCCAAGCCCCCTCCCCGCCTACCAACCAGGACAACCGCCCCGT  
 CTTTACCAGTCCGACTCCAGCCGTGGCTGCAGCACCCACCCAGCCCACTCCAGGGAGAAACCTTGAAC  
 CTAGAATCCAACCCCTGAGCTTCTATCACATCGTCCCTTCTCCAGGGCCGAGTATGGCAGTGCCCA  
 CACTGCTCCAGAGGACAGACCCAGTACTACCCCTAGCCAAGCATGGACTCCAACTCAGGAGGTCC  
 TGGAGACATGGACAGACCTTGGGTTCCAGAGGTATGTCTAAGACCACAGGGCTTGGTGTGAGGGAACC  
 ATTGCCACCTCCAGACTTCAGGGGATGACGAAGAGACCACTACCACCATTACCACACTACTGTACCA  
 CAGTTCAGCCACCAGGCCCTGTAGCTGGAATTTCTCAGGCCAGAGGGCTCTCTGGATTCCCCACGGC  
 CCCAGCTCACCTCTGATGTTGGCCTGGACTGTTTCTACTATATCTCTGTCTACCTGGATATGGAGTA  
 GAGATCAAGGTGGAGAACATCAGCCTCAGGAAGGGGAGACCATCACCGTGGAGGGCCTGGGGGGCCCCG  
 ATCCACTGCCCTTGGCTAACCAGTCGTTCTCTGTGAGGGGCCAGGTATCCCGACGCCACCCACCAAGC  
 AGCCCTGAGGTTCCAGAGCCTCCCGTACCCGCTGGGCCCTGGCACTTCCATTTCCGCTACCAAGCCTAT  
 CTCCTGAGCTGCCACTTCCCCGACGTCACGCTATGGAGATGTACTGTACCAGTCTCCACCCAGGAG  
 GCAGCCCACTTCCATTGTGCCACTGGTACCAGCTCAAGGGTGCCAGGTTCTCACCTGTCTCAATGC  
 CACCCAGCCCTTTGGGATTCCCAAGAGCTGTTTGCATTGCTGCTTGTGGTGGAGTGATTTCGGAATGCC  
 ACCACTGGCCGATTGTCTCTCCTGGCTTCCCGGGAACACAGCAACAACCTCACCTGCCACTGTTTGC  
 TAGAGGCTCCAGAGAGCCAGCGCTGCACCTGCCTTTGAAAAGGTCTCCTGGCAGAAGACGACGACAG  
 GCTCATCATCCGCAATGGAAATAACGTGGAGGCCCGCCGGTGTACGACTCCTATGAGGTGGAATACCTG  
 CCCATTGAGGGCCTGCTCAGCTCTGGCAGACACTTCTTCTGGAGTTCAGTACTGACAGCAGTGGGGCAG  
 CTGCAGGCATGGCCCTGCGCTATGAGGCCCTCCAGCAAGGACATTGCTATGAGCCCTTGTCAAATACGG  
 CAACTTCAGCAGCAGTGCACCGTCTACCTGTGGGTACAACGTGGAGTTCAGTGTGACCCTGGCTAC  
 ACCCTGGAGCAGGGCTCCATCATCATCGAATGCGTCGACTCCAGACCCCAAGTGAATGAGACAGAGC  
 CAGCCTGCCGAGCCGTGTGCAGCGGGGAGATCACAGACTCTGCAGGCGTGGTGTCTCTCAAACCTGGCC  
 GGAGCCTTATGGCCGAGGGCAGGACTGCATCTGGGGTGTGCATGTGGAGGAGGACAGCGCATATGCTG  
 GACATCCGAGTGTGCGCATAGGCTCTGGGGATGTACTGACCTTCTACGATGGGGATGACCTCACAGCCC  
 GGGTCTGGGCCAATACTCAGGGCCCCGTGGCCACTTCAAGCTCTTACCTCCATGGCCGATGTCACCAT  
 CCAGTTCAGTCAGACCTGGGACTCGGCGTGGGTTACCAGCAAGGATTTGTCATCCACTTCTTTGAG  
 GTTCCCCGCAACGACACATGTCCAGAGTACCCGAGATCCCCAACGGCTGGAAGAACCCATCACAGCCTG  
 AGCTGGTGACGGCACGGTGGTCACTATCAGTGTACCTGGTACCAGGTGGTGGGATCCAGTATTCT  
 CATGTGCCAGTGGGACCTAAGCTGGAGTGAGGACCTGCCTTTCATGCCAGAGAGTGACATCTGCCATGAC  
 CCAGGGGATGTGGAGCACAGCCGACGCTCATATCCAGCCCAAGTTTCCCGTGGGAGCAACTGTGCAAT  
 ATGCTGTGACCAGGTTTTGTGCTGACGGGAGTGCCATTCTCACCTGCCATGATCGGCAAGCAGGCGAG  
 TCCCAAGTGGAGTGACAGGGCCCCAAGTGTCTCTTGAACAATTCAAGCCGTGCCATGGCCTCAGCGCC  
 CCGGAGAATGGTGCCCGCAGCCCTGAGAAGCGGCTTACCCAGCAGGGGCCACCATCCACTTCTCTGTG  
 CCCCTGGTTATGTGCTGAAGGGCCAGGCCAGCATCAAATGCGTGCCTGGACACCCTCGCATTGGAGTGA  
 CCCACCACCCATCTGTAGGGCTTGTCCAAGGCACCTGCCGCTCCAGTGCCTGGACGCTGCTCACCTG  
 GCTGCTGCCATCTTCTACCATTGGTGGCCATGGTGTGCTGGTGGGAGGAGTGTACCTCTATTTTTCCA  
 GATTCCAGGGGAAAAGTCCCCTGCAACTCCCCGAACCTATCCTCGCCCATAACCGCATCAGGTTAGA  
 GTCAGCATTTGACAATCCAATATGAGACTGGAGAGACGAGAGAATATGAAGTTTCCATC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001291225
<b>Insert Size:</b>	2934 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001291225.1</a></u> , <u><a href="#">NP_001278154.1</a></u>
<b>RefSeq Size:</b>	4164 bp
<b>RefSeq ORF:</b>	2934 bp
<b>Locus ID:</b>	20370
<b>UniProt ID:</b>	<u><a href="#">Q7TSK2</a></u>
<b>Cytogenetics:</b>	11 46.74 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 3' coding region, and uses an alternate splice site in the 3'-terminal exon, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>