

Product datasheet for MR211397

Sez6 (NM_021286) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sez6 (NM_021286) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sez6
Synonyms:	BSRP-C; D11Bhm177e; sez-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211397 representing NM_021286 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCAGCAGCCCTGCTGCTCCTGCCCTCGCTGCTGGCGCTCCTGGCTCACGGACTCTCCTCAGAGG
CTCCGATCACGGGGGAAGGTCATGCCACGGGCATCAGGGAGACGGATGGGGAGCTGACCGCAGCCCTAC
ACCTGAGCAGTCAGACCGAGGCGTCCACTTCGTCACCACAGCCCTACCTCAAGCTGCTCAACCACCAC
CCACTTCTGGAAGAATTTCTTCAAGAGGGGCTAGAAAGAGAGGAAGCGCCGCAGCCTGCACTGCCCTTCC
AGCCGGACTCACCTACACTTTACTCCAAGCCCTCCCGCCTCACCAACCAGGACAACCGCCCGT
CTTTACCAGTCCGACTCCAGCCGTGGCTGACGACCCACCCAGCCCACTCCAGGGAGAAACCTTGGAAC
CTAGAATCCAAACCCCTGAGCTTTCTATCACATCGTCCCTTCTCCAGGGCCGAGTATGGCAGTGCCCA
CACTGCTCCCAGAGGACAGACCCAGTACTACACCCCTAGCCAAGCATGGACTCCAACCTCAGGAGGGTCC
TGGAGACATGGACAGACCTTGGGTTCCAGAGGTCATGTCTAAGACCACAGGGCTTGGTGTGAGGGGAACC
ATTGCCACCTCCACAGCTTCCAGGGGATGACGAAGAGACCACTACCACCATCATTACCACTACTGTACCA
CAGTTCAGCCACCAGGCCCTGTAGCTGGAATTTCTCAGGCCAGAGGGCTCTTGGATTCCCCACGGC
CCCCAGCTCACCTCTGATGTTGGCCTGGACTGTTTCTACTATATCTCTGTCTACCCTGGATATGGAGTA
GAGATCAAGGTGGAGAACATCAGCCTTCCAGGAAGGGGAGACCATCACCGTGGAGGCCCTGGGGGCCCGC
ATCCACTGCCCTTGGCTAACCAAGTCGTTTCTGCTGAGGGGCCAGGTCATCCGCAGCCCAACCCACCAAGC
AGCCCTGAGGTTCCAGAGCCTCCCGCTACCCGCTGGGCCTGGCACTTTCCATTTCCGCTACCAAGCCTAT
CTCCTGAGCTGCCACTTTCCCGACGTCCAGCGTATGGAGATGTGACTGTACCAGTCTCCACCCAGGAG
GCAGCGCCCACTTCCATTGTGCCACTGGCTACCAGCTCAAGGGTGCCAGGTTCTCACCTGTCTCAATGC
CACCCAGCCCTTTGGGATTCCCAAGAGCCTGTTTGCATTGCTGCTTGTGGTGGAGTGATTCCGAATGCC
ACCACTGGCCGATTGTCTCTCCTGGCTTCCCGGGAACTACAGCAACAACCTCACCTGCCACTGGTTGC
TAGAGGCTCCAGAGGCCAGCGGCTGCACCTGCACCTTTGAAAAGGTCTCCCTGGCAGAAGACGACGACAG
GCTCATCATCCGAATGAAATAACGTGGAGGCCCGCCGGTGTACGACTCCTATGAGGTGGAATACCTG



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CCCATTGAGGGCCTGCTCAGCTCTGGCAGACACTTCTTCGTGGAGTTCAGTACTGACAGCAGTGGGGCAG
 CTG CAGGCATGGCCCTGCGCTATGAGGCCTTCCAGCAAGGACATTGCTATGAGCCCTTTGTCAAATACGG
 CAACTTCAGCAGCAGTGCACCGTCTACCTGTGGGTACAACGTGGAGTTCAGCTGTGACCCTGGCTAC
 ACCCTGGAGCAGGGCTCCATCATCATCGAATGCGTCGACCTCCACGACCCCCAGTGAATGAGACAGAGC
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 GGAGCCTTATGGCCGAGGGCAGGACTGCATCTGGGGTGTGCATGTGGAGGAGACAAGCGCATCATGCTG
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 GGGTCTGGGCCAATACTCAGGGCCCCGTGGCCACTTCAAGCTCTTACCTCCATGGCCGATGTCACCAT
 CCAAGTCCAGTCAGACCTGGGACCTCGCGCTGGGTTACCAGCAAGGATTTGTCATCCACTTCTTTGAG
 GTTCCCCGCAACGACACATGTCCAGAGCTACCCGAGATCCCCAACGGCTGGAAGAACCATCACAGCCTG
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 GCACCTGCCGCCTCCAGTGCCTGGACGCTGCTCACCTGGCTGCTGCCATCTTCTACCATTGGTGGCCA
 TGGTGTGCTGGTGGGAGGAGTGTACCTCTATTTTTCCAGATTCCAGGGGAAAAGTCCCCTGCAACTTCC
 CCGAACTCATCTCGCCCTATAACCGCATCACGGTAGAGTCAGCATTTGACAATCCAATTATGAGACT
 GGATCTCTTCTTTGCAGGAGACGAGAGAATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211397 representing NM_021286
 Red=Cloning site Green=Tags(s)

MRPAALLLPSLLALLAHGLSSEAPITGEGHATGIRETDGELTAAPTPEQSDRGVHFVTTAPTLLKLLNHH
 PLLEEFLEGLEREAPQALPFPDPSPTHFTPSPLPRLTNQDNRPVFTSPTPAVAAAAPTQPHSREKPNW
 LESKPPLESITSSLPPGPSMAVPTLLPEDRPSTPPSQAWTPTQEGPGMDRPPWVPEVMSKTTGLGVEGT
 IATSTASGDDEETTTTIIITTTVTVQPPGPCSWNFSGPEGLDSPTAPSSPSDVGLDCFYIISVYPGYGV
 EIKVENISLQEGETITVEGLGGPDPLPLANQSFLLRGQVIRSPHQAALRFQSLPLPAGPGTFHFYQAY
 LLSCHFPRRPAYGDVTVTSLHPGGSAHFHCAATGYQLKARFLTCLNATQPFWDSQEPVCIACGGVIRNA
 TTGRIVSPGFPGNYSNNLTCHWLLLEAPESQRLHLHFVKVSLAEDDDRLIIRNGNNVEAPPVYDSYEVEYL
 PIEGLSSGRHFFVEFSTDSSGAAAGMALRYEAFQQGHCEYFVKYGNFSSSAPSYVPGTTVEFSCDPGY
 TLEQGSIIIECVDLHDPQWNETEPACRAVCSGEITDSAGVVLSPNWPEPYGRGQDCIWGVHVEEDKRIML
 DIRVLRIGSGDVLTFYDDDLARVLLGQYSGPRGHFKLFTSMADVTIQFQSDPGTSALGYQQGFVIHFFE
 VPRNDTCPELPEIPNGWKNPSQPELVHGTVVYQCYPGYQVVGSSILMCQWDLWSWEDLPSQQRVTSCHD
 PGDVEHSRRLISSPKFPVGVATVYVCDQGFVL TGSAILTCHDRQAGSPKWSDRAPKCLLEQFKPCHGLSA
 PENGARSPEKRLHPAGATIHFSAPGYVLKQASIKCVPGHPSHSDPPPICRAASLDGFYNGRSLDVAK
 APAASSALDAAHLAAAIFLPLVAMVLLVGGVYL YFSRFQGSPLQLPRTHPRPYNRITVESAFDNPTYET
 GSLSFAGDERI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9012_b11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_021286

ORF Size: 2973 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_021286.4](#)

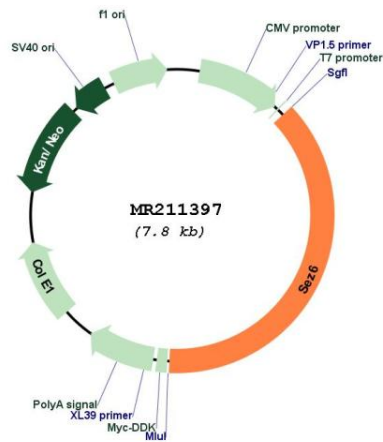
RefSeq Size: 4096 bp

RefSeq ORF: 2976 bp

Locus ID: 20370
UniProt ID: [Q7TSK2](#)
Cytogenetics: 11 46.74 cM
MW: 107.9 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]

Product images:



Circular map for MR211397