

Product datasheet for RC212333

SEZ6 (NM_001098635) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SEZ6 (NM_001098635) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | SEZ6 |
| Synonyms: | BSRPC |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC212333 representing NM_001098635 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCCGGTAGCCCTGCTGCTCCTGCCCTCGCTGCTGGCGCTCCTGGCTCACGGACTCTCTTTAGAGG
CCCCAACCGTGGGAAAGGACAAGCCCCAGGCATCGAGGAGACAGATGGCGAGCTGACAGCAGCCCCAC
ACCTGAGCAGCCAGAACGAGGCGTCCACTTTGTCACAACAGCCCCACCTTGAAGCTGCTCAACCACCAC
CCGCTGCTTGAGGAATTCCTACAAGAGGGGCTGAAAAGGGAGATGAGGAGCTGAGGCCAGCACTGCCCT
TCCAGCCTGACCCACTGCACCCTTACCCCAAGTCCCCTTCCCCGCTGGCCAACCAGGACAGCCGCC
TGTCTTTACCAGCCCCACTCCAGCCATGGCTGCGGTACCCACTCAGCCCCAGTCCAAGGAGGGACCCCTGG
AGTCCGGAGTCAGAGTCCCCTATGCTTCGAATCACAGCTCCCCTACCTCCAGGGCCAGCATGGCAGTGC
CCACCCTAGGCCAGGGGAGATAGCCAGCACTACACCCCCAGCAGAGCCTGGACACCAACCCAAGAGGG
TCCTGGAGACATGGGAAGGCCGTGGGTTGCAGAGGTTGTGCCAGGGCGCAGGGATCGGGATCCAGGGG
ACCATCACCTCCTCCACAGCTTCAGGAGATGATGAGGAGACCACCACTACCACCACATCATCACCA
CCATCACACAGTCCAGACACCAGGCCCTTGTAGCTGGAATTTCTCAGGCCAGAGGGCTCTCTGGACTC
CCCTACAGACCTCAGTCCCCACTGATGTTGGCCTGGACTGCTTCTTCTACATCTGTCTACCCTGGC
TATGGCGTGAAATCAAGGTCCAGAATATCAGCCTCCGGGAAGGGGAGACAGTACTGTGAAGGCCCTGG
GGGGCCTGACCCACTGCCCTGGCCAACCAGTCTTTCCTGCTGCGGGGCCAAGTCATCCCGACCCCCAC
CCACCAAGCGGCCCTGAGGTTCCAGAGCCTCCCGCCACCGGCTGGCCCTGGCACCTTCCATTTCCATTAC
CAAGCCTATCTCCTGAGCTGCCACTTTCCCGTCGTCAGCTTATGGAGATGTGACTGTACCAGCCTCC
ACCCAGGGGGTAGTGCCCGCTTCCATTGTGCCACTGGCTACCAGCTGAAGGGCGCCAGGCATCTCACCTG
TCTCAATGCCACCCAGCCCTTCTGGATTCAAAGGAGCCCGTCTGCATCGCTGCTGCGGGGAGTGATC
CGCAATGCCACCACCGGCCGATCGTCTCTCCAGGCTTCCGGGCAACTACAGCAACAACCTCACCTGTC
ACTGGCTGCTTGGGCTCCTGAGGGCCAGCGGCTACACCTGCACCTTTGAGAAGGTTTCCCTGGCAGAGGA
TGATGACAGGCTCATTCGCAATGGGACAACGTGGAGGCCCCACCAGTGTATGATTCCTATGAGGTG



View online »

GAATACCTGCCCATTTGAGGGCCTGCTCAGCTCTGGCAAACACTTCTTTGTTGAGCTCAGTACTGACAGCA
 GCGGGGACAGTGCAGGCATGGCCCTGCGCTATGAGGCCTTCCAGCAGGGCCATTGCTATGAGCCCTTTGT
 CAAATACGGTAACTTCAGCAGCAGCACACCCACCTACCCTGTGGGTACCACTGTGGAGTTCAGCTGCGAC
 CCTGGCTACACCTGGAGCAGGGCTCCATCATCATCGAGTGTGTTGACCCCCACGACCCCCAGTGGAAATG
 AGACAGAGCCAGCCTGCCAGCCGTGTGCAGCGGGGAGATCACAGACTCGGCTGGCGTGGTACTCTCTCC
 CAACTGGCCAGAGCCCTACGGTCGTGGCAGGATTGTATCTGGGTGTGCATGTGGAAGAGGACAAGCGC
 ATCATGTGGACATCCGAGTGTGCGCATAGGCCCTGGTATGTGCTTACCTTCTATGATGGGGATGACC
 TGACGGCCCGGGTCTGGGCCAGTACTCAGGGCCCGTAGCCACTTCAAGCTCTTTACCTCCATGGCTGA
 TGTCAACATTAGTTCAGTTCGACCCCGGACCTCAGTGTGGCTACCAGCAGGGCTTCGTCATCCAC
 TTCTTTGAGGTGCCCCGCAATGACACATGTCCGGAGCTGCCTGAGATCCCCAATGGCTGGAAGAGCCCAT
 CGCAGCCTGAGCTAGTGCACGGCACCGTGGTCACTTACCAGTGTACCCTGGCTACCAGGTAGTGGGATC
 CAGTGTCTCATGTGCCAGTGGACCTAECTGGAGTGGAGACCTGCCCTCATGCCAGAGGGTGACTTCC
 TGCCACGATCCTGGAGATGTGGAGCACAGCCGACGCTCATATCCAGCCCCAAGTTCCCGTGGGGGCCA
 CCGTGCAATATATCTGTGACCAGGGTTTGTGCTGATGGGCAGCTCCATCCTCACCTGCCATGATCGCCA
 GGCTGGCAGCCCCAAGTGGAGTACCGGGCCCTAAATGTCTCCTGGAACAGCTCAAGCCATGCCATGGT
 CTAGTGGCCCTGAGAATGGTGGCCGAAGTCTGAGAAGCAGCTACACCCAGCAGGGGCCACCATCCACT
 TCTCGTGTGCCCTGGCTATGTGCTGAAGGGCCAGGCCAGCATCAAGTGTGTGCCTGGGCACCCCTCGCA
 TTGGAGTGACCCCCACCCATCTGTAGGGCTGCCTCTCTGGATGGGTTCTACAACAGTGCAGCCTGGAT
 GTTGCCAAAGCACCTGTGCCTCCAGCACCTGGATGTGCCACATTGCAGCTGCCATCTTCTTGGCCAC
 TGGTGGCGATGGTGTGTTGGTAGGAGGTGATACTTCTACTTCTCCAGGCTCCAGGGAAAAAGCTCCCT
 GCAGCTGCCCCGCCCGCCCGCCCTACAACCGCATACCATAGAGTCAGCGTTTGACAATCCAAC
 TACGAGACTGGAGAGACGAGAGAATATGAAGTCTCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212333 representing NM_001098635
 Red=Cloning site Green=Tags(s)

MRPVALLLPSLLALLAHL SLEAPTVGKGQAPGIEETD GELTAAPTPEQPERGVHFVTTAPTLLKLNHH
 PLLEEFLEQEGLEKGEELRPALPFQDPAPFTPSPLPRLANQDSRPVFTSPTPAMA AVPTQPQSKEGPW
 SPESESPMLRITAPLPPGPSMAVPTLGPGEIASTTPPSRAWPTQE GPGDMGRPWWAEVVSQGAGIGIQG
 TITSSTASGDDEETTTTTIITTTITTVQTPGPCSWNFSGPEGLDSPTDLSSPTDVGLDCFFYISVYPG
 YGVEIKVQNISLREGETVTV EGLGGPDPLPLANQSFLLRGQVIRSPHQ AALRFQSLPPPAGPGTFHFHY
 QAYLLSCHFRRPAYGDVTVTSLHPGGSARFHCA TGYQLKGARHLTCLNATQPFWDSKEPVCI AACGGVI
 RNATTGRIVSPGFPGNYSNNLTCHWLL EAPGQRLHLHFEKVS LAEDDDRLIIRNGDNVEAPPVYDSYEV
 EYLP IEGLLSSGKHFFVELSTDSSGAAAGMALRYEAFQQGH CYEPFVKYGNFSSSTPTYPVGTTFEVS CD
 PGYTLEQGSIIIECVDPHDPQWNETEPACRAVCSGEITDSAGVVLSPNWPEPYGRGQDCIWGVHVEEDKR
 IMLDIRVLRIGPGDVLTFYDGD DLTARVLGQYSGPRSHFKLFTSMADVTIQFQSDPGTSVLGYQQGFVIH
 FFEVPRNDTCPELPEIPNGWKSPSQPELVHGTVVTYQCYPGYQVVGSSVLMCQWDLT WSEDLPSQQRVTS
 CHDPGDVEHSRRLISSPKFPVGATVQYICDQGFVLMGSSILTCHDRQAGSPKWS DRAPKCLLEQLKPC HG
 LSAPENGARSPEKQLHPAGATIHFSCAPGYVLKGQASIKCVP GHPSHWSDPPPICRAASLDGFYNSRSLD
 VAKAPAASTLDAAHIAAIFLPLVAMVLLVGGVYFYFSRLQ GKSSLQLPRRPRRPNRITIESAFDNPT
 YETGETREYEVS I

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001098635

ORF Size: 2979 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).

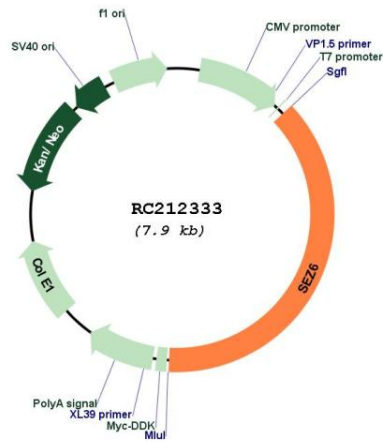
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_001098635.2](#)

RefSeq Size: 4234 bp

| | |
|-------------------|---|
| RefSeq ORF: | 2982 bp |
| Locus ID: | 124925 |
| UniProt ID: | Q53EL9 |
| Cytogenetics: | 17q11.2 |
| Protein Families: | Druggable Genome, Transmembrane |
| MW: | 107.3 kDa |
| Gene Summary: | The protein encoded by this gene is thought to contain five cysteine-rich motifs that are similar to sushi domains, as well as two domains similar to the amino terminal half of the CUB (for complement C1r/C1s, Uegf, Bmp1) domain. Mutations in this gene have been associated with febrile seizures. [provided by RefSeq, Jul 2016] |

Product images:



Circular map for RC212333