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Product datasheet for RC239711

SEZ6 (NM_001290202) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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:

>RC239711 representing NM_001290202
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCGGTACCCACTCAGCCCCAGTCCAAGGAGGGACCCTGGAGTCCGGAGTCAGAGTCCCCTATGC
TTCGAATCACAGCTCCCCTACCTCCAGGGCCCAGCATGGCAGTGCCCACCCTAGGCCCAGGGGAGATAGC
CAGCACTACACCCCCCAGCAGAGCCTGGACACCAACCCAAGAGGGTCCTGGAGACATGGGAAGGCCGTGG
GTTGCAGAGGTTGTGTCCCAGGGCGCAGGGATCGGGATCCAGGGGACCATCACCTCCTCCACAGCTTCAG
GAGATGATGAGGAGACCACCACTACCACCACCATCATCACCACCACCATCACCACAGTCCAGACACCAGG
CCCTTGTAGCTGGAATTTCTCAGGCCCAGAGGGCTCTCTGGACTCCCCTACAGACCTCAGCTCCCCCACT
GATGTTGGCCTGGACTGCTTCTTCTACATCTCTGTCTACCCTGGCTATGGCGTGGAAATCAAGGTCCAGA
ATATCAGCCTCCGGGAAGGGGAGACAGTGACTGTGGAAGGCCTGGGGGGGGCCTGACCCACTGCCCCTGGC
CAACCAGTCTTTCCTGCTGCGGGGCCAAGTCATCCGCAGCCCCACCCACCAAGCGGCCCTGAGGTTCCAG
AGCCTCCCGCCACCGGCTGGCCCTGGCACCTTCCATTTCCATTACCAAGCCTATCTCCTGAGCTGCCACT
TTCCCCGTCGTCCAGCTTATGGAGATGTGACTGTCACCAGCCTCCACCCAGGGGGTAGTGCCCGCTTCCA
TTGTGCCACTGGCTACCAGCTGAAGGGCGCCAGGCATCTCACCTGTCTCAATGCCACCCAGCCCTTCTGG
GATTCAAAGGAGCCCGTCTGCATCGCTGCTTGCGGCGGAGTGATCCGCAATGCCACCACCGGCCGCATCG
TCTCTCCAGGCTTCCCGGGCAACTACAGCAACAACCTCACCTGTCACTGGCTGCTTGAGGCTCCTGAGGG
CCAGCGGCTACACCTGCACTTTGAGAAGGTTTCCCTGGCAGAGGATGATGACAGGCTCATCATTCGCAAT
GGGGACAACGTGGAGGCCCCACCAGTGTATGATTCCTATGAGGTGGAATACCTGCCCATTGAGGGCCTGC
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GCGCTATGAGGCCTTCCAGCAGGGCCATTGCTATGAGCCCTTTGTCAAATACGGTAACTTCAGCAGCAGC
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GCATAGGCCCTGGTGATGTGCTTACCTTCTATGATGGGGATGACCTGACGGCCCGGGTTCTGGGCCAGTA
CTCAGGGCCCCGTAGCCACTTCAAGCTCTTTACCTCCATGGCTGATGTCACCATTCAGTTCCAGTCGGAC
CCCGGGACCTCAGTGCTGGGCTACCAGCAGGGCTTCGTCATCCACTTCTTTGAGGTGCCCCGCAATGACA
CATGTCCGGAGCTGCCTGAGATCCCCAATGGCTGGAAGAGCCCATCGCAGCCTGAGCTAGTGCACGGCAC
CGTGGTCACTTACCAGTGCTACCCTGGCTACCAGGTAGTGGGATCCAGTGTCCTCATGTGCCAGTGGGAC
CTAACTTGGAGTGAGGACCTGCCCTCATGCCAGAGGGTGACTTCCTGCCACGATCCTGGAGATGTGGAGC
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TTTTGTGCTGATGGGCAGCTCCATCCTCACCTGCCATGATCGCCAGGCTGGCAGCCCCAAGTGGAGTGAC
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GAAGTCCTGAGAAGCAGCTACACCCAGCAGGGGCCACCATCCACTTCTCGTGTGCCCCTGGCTATGTGCT
GAAGGGCCAGGCCAGCATCAAGTGTGTGCCTGGGCACCCCTCGCATTGGAGTGACCCCCCACCCATCTGT
AGGGCTGCCTCTCTGGATGGGTTCTACAACAGTCGCAGCCTGGATGTTGCCAAGGCACCTGCTGCCTCCA
GCACCCTGGATGCTGCCCACATTGCAGCTGCCATCTTCTTGCCACTGGTGGCGATGGTGTTGTTGGTAGG
AGGTGTATACTTCTACTTCTCCAGGCTCCAGGGAAAAAGCTCCCTGCAGCTGCCCCGCCCCCGCCCCCGC
CCCTACAACCGCATTACCATAGAGTCAGCGTTTGACAATCCAACTTACGAGACTGGATCTCTTTCCTTTG
CAGGAGACGAGAGAATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239711 representing NM_001290202
Red=Cloning site Green=Tags(s)

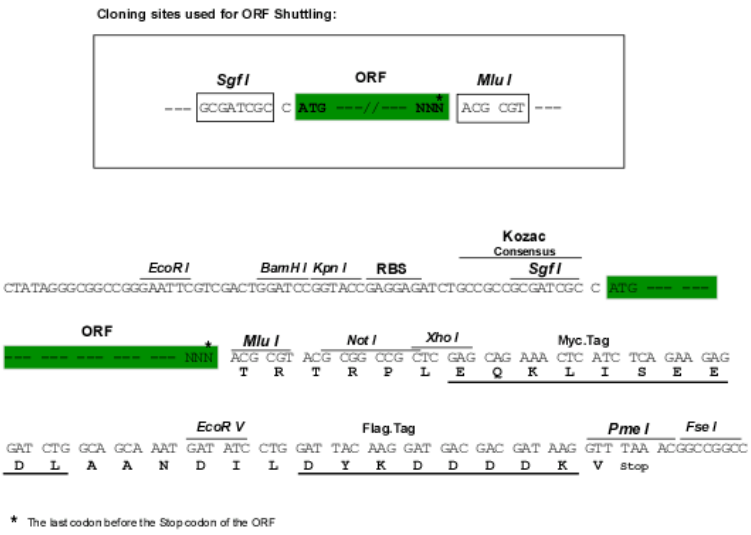
MAAVPTQPQSKEGPWSPESESPMLRITAPLPPGPSMAVPTLGPGEIASTTPPSRAWTPTQEGPGDMGRPW
VAEVVSQGAGIGIQGTITSSTASGDDEETTTTTTIITTTITTVQTPGPCSWNFSGPEGSLDSPTDLSSPT
DVGLDCFFYISVYPGYGVEIKVQNISLREGETVTVEGLGGPDPLPLANQSFLLRGQVIRSPTHQAALRFQ
SLPPPAGPGTFHFHYQAYLLSCHFPRRPAYGDVTVTSLHPGGSARFHCATGYQLKGARHLTCLNATQPFW
DSKEPVCIAACGGVIRNATTGRIVSPGFPGNYSNNLTCHWLLEAPEGQRLHLHFEKVSLAEDDDRLIIRN
GDNVEAPPVYDSYEVEYLPIEGLLSSGKHFFVELSTDSSGAAAGMALRYEAFQQGHCYEPFVKYGNFSSS
TPTYPVGTTVEFSCDPGYTLEQGSIIIECVDPHDPQWNETEPACRAVCSGEITDSAGVVLSPNWPEPYGR
GQDCIWGVHVEEDKRIMLDIRVLRIGPGDVLTFYDGDDLTARVLGQYSGPRSHFKLFTSMADVTIQFQSD
PGTSVLGYQQGFVIHFFEVPRNDTCPELPEIPNGWKSPSQPELVHGTVVTYQCYPGYQVVGSSVLMCQWD
LTWSEDLPSCQRVTSCHDPGDVEHSRRLISSPKFPVGATVQYICDQGFVLMGSSILTCHDRQAGSPKWSD
RAPKCLLEQLKPCHGLSAPENGARSPEKQLHPAGATIHFSCAPGYVLKGQASIKCVPGHPSHWSDPPPIC
RAASLDGFYNSRSLDVAKAPAASSTLDAAHIAAAIFLPLVAMVLLVGGVYFYFSRLQGKSSLQLPRPRPR
PYNRITIESAFDNPTYETGSLSFAGDERI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3120_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001290202

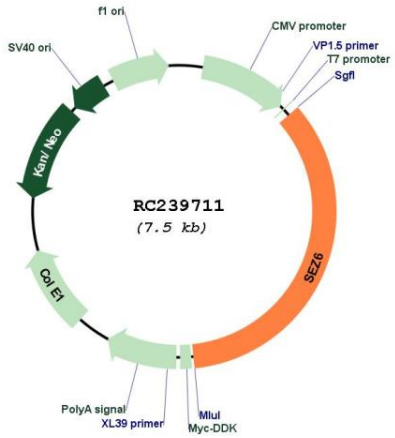
ORF Size: 2607 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001290202.1, NP_001277131.1
RefSeq Size:	4075 bp
RefSeq ORF:	2610 bp
Locus ID:	124925
UniProt ID:	Q53EL9
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Transmembrane
MW:	94.1 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 RC239711