

Product datasheet for **RC226178**

SEZ6L2 (NM_001114100) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEZ6L2 (NM_001114100) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SEZ6L2
Synonyms:	BSRPA; PSK-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC226178 representing NM_001114100
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGACTCCCAGGGCCAGCACCCGCCGCTCCCCAGCTGCTGTTCTAATTCTGCTGAGCTGTCCCT
 GGATCCAGGGTCTGCCCCGAAGGAGGAGGAGATATTGCCAGAGCCTGGAAGTGAGACCCACCGGTGGC
 CTCTGAGGCCCTGGCTGAACTGTTTCATGGGGCCCTGCTGAGGAGGGGCCAGAGATGGGCTACCTGCCA
 GGATCTGATCCGGACCCACGCTAGCCACCCCTCCGGCCGGCCAGACTCTCGCAGTGCCCTCCCTGCCAC
 GGGCCACTGAGCCGGGGACAGGGCCTCTGACAACAGCCGTACCCCTAACGGGGTCAGGGGGCAGGCC
 CACTGCGCCAGAACTGCTGACCCCGCCCCAGGAACCACAGCCCAACCCACCCAGCCCTGCCTCCCCA
 GGGCCTCCCTTGGCCCTGAGGGAGGAGGAGGAGACGACGACCACCATCATCACCACGACAAGTGTAA
 CCACTACGGTGACCAGCCAGCCTACCTCTGAGCTGTGGCTTCCCTCCCGCCGGCCCATGGGGACGT
 GAGTGTGACGGACTGCACCCTGGGGGCACTGCCACCTTCACTGTGATTCGGGCTACCAGCTGCAGGGA
 GAGGAGACCCCTACTGCTCAATGGCACCCGGCCATCCTGGAACGGTGAAACCCCAAGCTGCATGGCAT
 CCTGTGGTGGCACCATCCACAATGCCACCTGGGCCGCATCGTGTCCCCAGAGCCTGGGGGAGCCGTAGG
 GCCAACCTCACCTGCCGTTGGGTCAATGAAGCAGCTGAGGGGCGCCGGCTGCACCTGCACTTTGAAAGG
 GTCTCGTGGATGAGGACAATGACCGGTGATGGTGGCTCAGGGGGCAGCCCCATCCCCCGTATCT
 ATGATTCGGACATGGACGATGCCCCGAGCGGGTCTCATCAGTGACGCCAGTCCCTCTACGTGGAGCT
 GCTGTGAGAGACCTGCCAATCCCTGCTGTTAAGCCTTCGATTTGAGCCTTTGAGGAGGATCGCTGC
 TTCGCCCTTCTGACATGGAATGCACTACCACGGACCTGAGTATCGCCAGGGCACTGGCAA
 CCTTCTCGTGCCCTCCAGGATATGCCCTGGAGCCCTGGGCCCCCAATGCCATCGAATGTGTGGATCC
 CACAGAACCCTGGAACGACACAGAGCCGGCTGCAAAGCCATGTGTGGAGGGAGCTGTCGGAACCA
 GCTGGCGTGGTCTCTCTCCGACTGGCCCCAGAGCTATAGCCGGGCCAAGACTGCGTGTGGGGGTGC
 ACGTCCAGGAAGAGAAGCGCATCTTGTCCAAGTTGAGATATTGAATGTGCGGGAAGGGGACATGCTGAC
 GCTGTTGACGGGACGGTCCCAGCGCCGAGTCTTGGCCAGCTGCGGGGACCTCAGCCGCGCCCGCC
 CTTCTCTCTCTGGGCCGACCTCACACTGCAGTTTCAGGCACCGCCGGGCCCAATCCAGGCCTGG
 GCCAGGGTTCGTATTGCACTTCAAAGAGGTCCCGAGGAACGACACGTGCCCCGAGCTGCCACCTCCGGA
 GTGGGGCTGGAGAACGGCATCCCAGGGGACCTGATCCGGGACAGGTGCTCACCTACCAGTGCAGCCT
 GGCTACGAGCTGTAGGCTCCGACATTCTCACTTGCCAGTGGGACCTGTCTTGGAGCGCCGCGCCCGC
 CCTGCCAAAAGATCATGACTTGTGCTGACCCTGGCGAGATTGCCAACGGGCACCGCACCGCTCGGACGC
 CGGCTTCCCCGTTGGCTCCCACGTCCAGTACCGCTGCCTGCCAGGGTACAGCCTCGAGGGGGCAGCCATG
 CTCACCTGCTACAGCCGGGACACAGGCACACCAAGTGGAGCGATAGGGTCCCCAAATGCGCCTTGAAGT
 ACGAGCCGTGCCTGAACCCGGGGTTCGAGAAATGGCTACCAGACGCTGTACAAGCACCCTACCAGGC
 GGGCGAGTCTCTGCGTCTTCTGCTATGAGGGCTTTGAGCTTATCGGCGAGGTACCATCACCTGTGTG
 CCCGGCCACCCCTCCAGTGGACCAGCCAGCCCCACTCTGCAAAGTTGCCTATGAGGAGCTCCTGGACA
 ACCGAAAAGTGAAGTGACCCAGACCAGATCCATCACGGCAGCTGGAAGGGGGGAACCTGGCCCTGGC
 CATCCTGCTCCCTTAGGCTTGGTCATTGTCTCGGCAGTGGCGTTTACATCTACTACACCAAGCTTCAG
 GGAAAGTCCCTTTTCGGCTTCTCGGGCTCCCACTCCTACAGCCCCATCACCGTGGAGTTCGACTTCAGCA
 ACCCGCTGTATGAAGCTGGGGATACGCGGGAGTATGAAGTTCCATC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226178 representing NM_001114100
Red=Cloning site Green=Tags(s)

MGTPRAQHPPPPQLFLILLSCPWIQGLPLKEEEILPEPGSETPTVASEALAE LLHGALLRRGPENGYLP
GSDPDPTLATPPAGQTLAVPSLPRATEPGTGPLTTAVTPNGVRGAGPTAPELLTPPPGTTAPPPSPASP
GPPLGPEGEEEETTTTIITTTTITTTTSPAYLLSCGFPPRPAHGDVSVTDLHPGGTATFHCDSGYQLQG
EETLICLNGTRPSWNGETPSCMASC GGTIHNATLGRIVSPEPGGAVGNLTCRWVIEAAEGRRLLHLHFER
VSLDEDNDRLMVRSGGSPLSPVIYDSMDDDVPERGLISDAQSLYVELLSETPANLLLLSLRFEAFEDRC
FAPFLAHGNVTTTDP EYRPGALATFSCLPGYALEPPGPPNAIECVDPTEPHWNTTEPACKAMCGGELSEP
AGVVLSPDW PQSYSPGQDCVWGVHVQEEKRILLQVEILNVREGDMLTLFDGDGPSARVLAQLRGPQPRRR
LLSSGPD LTLQFQAPP GPPN PGLGQGFVLHFKEVPRNDTCPELPPPEWGWR TASHGDLIRGTVLTYQCEP
GYELLGSDILTCQWDL SWSAAPPACQKIMTCADPGEIANGHRTASDAGFPV GSHVQYRCLPGYSLEGAAM
LTCYSRDTGTPKWSDRVPKCAL KYEPCLNPGVPENGYQTL YKHHYQAGESLRFFCYEGFELIGEVITITCV
PGHPSQWT SQPPLCKVAYEELL DNRKLEVTQT TDP SRQLEGGNLALAILLPLGLVIVL GSGVYIYYTKLQ
GKSLFGFSGSHSYSPITVESDFSNPLYEAGDTREYEVSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4174_a07.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001114100

ORF Size: 2427 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_001114100.3](#)

RefSeq ORF: 2430 bp

Locus ID: 26470

UniProt ID: [Q6UXD5](#)

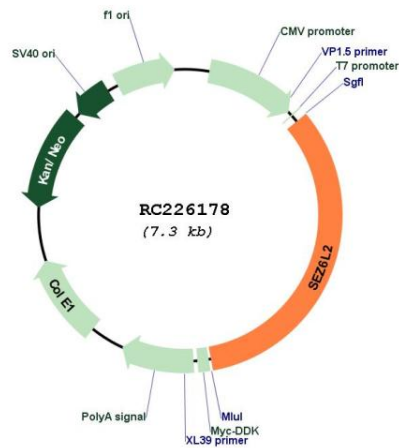
Cytogenetics: 16p11.2

Protein Families: Druggable Genome, Transmembrane

MW: 86.7 kDa

Gene Summary: This gene encodes a seizure-related protein that is localized on the cell surface. The gene is located in a region of chromosome 16p11.2 that is thought to contain candidate genes for autism spectrum disorders (ASD), though there is no evidence directly implicating this gene in ASD. Increased expression of this gene has been found in lung cancers, and the protein is therefore considered to be a novel prognostic marker for lung cancer. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC226178