

Product datasheet for **RG226178**

SEZ6L2 (NM_001114100) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEZ6L2 (NM_001114100) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SEZ6L2
Synonyms:	BSRPA; PSK-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG226178 representing NM_001114100
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGACTCCCAGGGCCAGCACCCGCCCTCCCCAGCTGCTGTTCTAATTCTGCTGAGCTGTCCCT
 GGATCCAGGGTCTGCCCCGAAGGAGGAGGAGATATTGCCAGAGCCTGGAAGTGAGACCCACCGTGCC
 CTCTGAGGCCCTGGCTGAACTGCTTCATGGGGCCCTGCTGAGGAGGGGCCAGAGATGGGCTACCTGCCA
 GGATCTGATCGGGACCCACGCTAGCCACCCCTCCGGCCGGCCAGACTCTCGCAGTGCCCTCCCTGCCAC
 GGGCCACTGAGCCGGGGACAGGGCCTCTGACAACAGCCGTACCCCTAACGGGGTCAGGGGGCAGGCC
 CACTGCGCCAGAACTGCTGACCCCGCCCCAGGAACCACAGCCCAACCCACCCAGCCCTGCCTCCCCA
 GGGCCTCCCTTGGCCCTGAGGGAGGAGGAGGAGACGACGACCACCATCATCACCACGACAAGTTA
 CCACTACGGTGACCAGCCAGCCTACCTCTGAGCTGTGGCTTCCCTCCCGGCCGGCCATGGGGACGT
 GAGTGTGACGGACCTGCACCCTGGGGGCACTGCCACCTTCACTGTGATTCGGGCTACCAGCTGCAGGGA
 GAGGAGACCCCTACTGCTCAATGGCACCCGGCCATCCTGGAACGGTGAAACCCCAAGCTGCATGGCAT
 CCTGTGGTGGCACCATCCACAATGCCACCTGGGCCGCATCGTGTCCCCAGAGCCTGGGGGAGCCGTAGG
 GCCAACCTCACCTGCCGTTGGGTCAATGAAGCAGCTGAGGGGCGCCGGCTGCACCTGCACTTTGAAAGG
 GTCTCGTGGATGAGGACAATGACCGGCTGATGGTGCCTCAGGGGGCAGCCCCATCCCCCGTATCT
 ATGATTCGGACATGGACGATGCCCCGAGCGGGTCTCATCAGTGACGCCAGTCCCTCTACGTGGAGCT
 GCTGTGAGAGACCTGCCAATCCCTGCTGTTAAGCCTTCGATTTGAGCCTTTGAGGAGGATCGCTGC
 TTCGCCCTTCTGACATGGAATGCACTACCACGGACCTGAGTATCGCCAGGGCACTGGCAA
 CCTTCTCGTGCCCTCCAGGATATGCCCTGGAGCCCTGGGCCCCCAATGCCATCGAATGTGTGGATCC
 CACAGAACCCCACTGGAACGACACAGAGCCGGCTGCAAAGCCATGTGTGGAGGGAGCTGTCGGAACCA
 GCTGGCGTGGTCTCTCTCCGACTGGCCCCAGAGCTATAGCCCGGCCAAGACTGCGTGTGGGGCGTGC
 ACGTCCAGGAAGAGAAGCGCATCTTGCTCCAAGTTGAGATATTGAATGTGCGGGAAGGGGACATGCTGAC
 GCTGTTGACGGGACGGTCCCAGCGCCGAGTCTTGGCCAGCTGCGGGGACCTCAGCCGCGCCGCGC
 CTTCTCTCTCTGGGCCGACCTCACACTGCAGTTTCAGGCACCGCCGGGCCCAATCCAGGCCTGG
 GCCAGGGCTTCGATTGCACTTCAAAGAGGTCCCGAGGAACGACACGTGCCCCGAGCTGCCACCTCCGGA
 GTGGGGCTGGAGAACGGCATCCCAGGGGACCTGATCCGGGGCACGGTGTCTCACCTACCAGTGCAGCCT
 GGCTACGAGCTGTAGGCTCCGACATTCTCACTTGCCAGTGGGACCTGTCTTGGAGCGCCGCGCCCGC
 CCTGCCAAAAGATCATGACTTGTGCTGACCCTGGCGAGATTGCCAACGGGCACCGCACCGCTCGGACGC
 CGGCTTCCCCGTTGGCTCCCACGTCCAGTACCGCTGCCTGCCAGGGTACAGCCTCGAGGGGGCAGCCATG
 CTCACCTGCTACAGCCGGGACACAGGCACACCCAAAGTGGAGCGATAGGGTCCCCAAATGCGCCTTGAAGT
 ACGAGCCGTGCCTGAACCCGGGGTTCGCGAGAATGGCTACCAGACGCTGTACAAGCACCCTACCAGGC
 GGGCGAGTCTCTGCGTCTTCTGCTATGAGGGCTTTGAGCTTATCGGCGAGGTACCATCACCTGTGTG
 CCCGGCCACCCCTCCAGTGGACCAGCCAGCCCCACTCTGCAAAGTTGCCTATGAGGAGCTCCTGGACA
 ACCGAAAAGTGAAGTGACCCAGACCACAGATCCATCACGGCAGCTGGAAGGGGGGAACCTGGCCCTGGC
 CATCCTGCTGCCCTAGGCTTGGTCATTGTCTCGGCAGTGGCGTTTACATCTACTACACCAAGCTTCAG
 GGAAAGTCCCTTTTCGGCTTCTCGGGCTCCCACTCCTACAGCCCCATACCGTGGAGTTCGACTTCAGCA
 ACCCGCTGTATGAAGCTGGGGATACGCGGGAGTATGAAGTTTCCATC

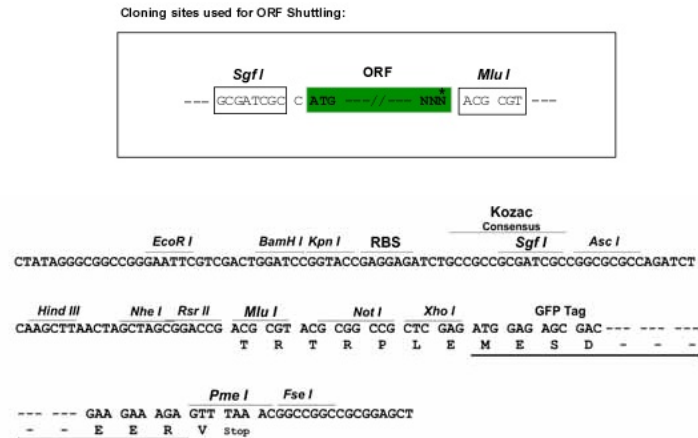
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226178 representing NM_001114100
Red=Cloning site Green=Tags(s)

MGTPRAQHPPPPQLFLILLSCPWIQGLPLKEEELPEPGSETPTVASEALAEALLHGALLRRGPEMGYLP
GSDRDPTLATPPAGQTLAVPSLPRATEPGTGPLTTAVTPNGVRGAGPTAPELLTPPPGTTAPPPSPASP
GPPLGPEGEEEETTTTIITTTTITTTTSPAYLLSCGFPPRPAHGDVSVTDLHPGGTATFHCDSGYQLQG
EETLICLNTRPSWNGETPSCMASCGGTIHNATLGRIVSPEPGGAVGNLTCRWVIEAAEGRRLLHLHFER
VSLDEDNDRMLMVRSGGSPLSPVIYDSMDVPERGLISDAQSLYVELLSETPANPLLLSLRFEAFEDRC
FAPFLAHGNVTTTDPYRPGALATFSCLPGYALEPPGPPNAIECVDPTEPHWNTTEPACKAMCGGELSEP
AGVVLSPDWPQSYSPGQDCVWGVHVQEEKRILLQVEILNVREGDMLTLFDGDGPSARVLAQLRGPQPRRR
LLSSGPDLTQFQAPPGPPNPLGQGFVLHFKEVPRNDTCPELPPPEWGWRTASHGDLIRGTVLTYQCEP
GYELLGSDILTCQWDLWSAAPPACQKIMTCADPGEIANGHRTASDAGFPVGSVYRCLPGYSLEGAAM
LTCYSRDTGTPKWSDRVPKCALKEYECLNPGVPENGYQTLYKHYYQAGESLRFFCYEGFELIGEVTITCV
PGHPSQWTSQPPLCKVAYEELLDNRKLEVTQTTDPSRQLEGGNLALAILLPLGLVIVLGSVYIYYTKLQ
GKSLFGFSGSHSYSPITVESDFSNPLYEAGDTREYEVSI

TRTRPLE - GFP Tag - V

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 Size: 3227 bp

RefSeq ORF: 2430 bp

Locus ID: 26470

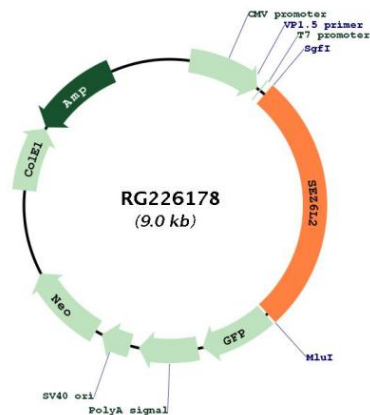
UniProt ID: [Q6UXD5](#)

Cytogenetics: 16p11.2

Protein Families: Druggable Genome, Transmembrane

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 RG226178