

Product datasheet for **RG235040**

SEZ6L2 (NM_001243332) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEZ6L2 (NM_001243332) 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)



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ORF Nucleotide Sequence:

>RG235040 representing NM_001243332
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGACTCCCAGGGCCAGCACCCGCCCTCCCAGCTGCTGTTCTAATTCTGCTGAGCTGTCCCT
 GGATCCAGGGTCTGCCCCGAAGGAGGAGGAGATATTGCCAGAGCCTGGAAGTGAGACCCACCGGTGGC
 CTCTGAGGCCCTGGCTGAACTGCTTCATGGGGCCCTGCTGAGGAGGGGCCAGAGATGGGCTACCTGCCA
 GGATCTGATCGGGACCCACGCTAGCCACCCCTCCGGCCGGCCAGACTCTCGCAGTGCCCTCCCTGCCAC
 GGGCCACTGAGCCGGGGACAGGGCCTCTGACAACAGCCGTACCCCTAACGGGGTCAGGGGGCAGGCC
 CACTGCGCAGAACTGCTGACCCCGCCCCAGGAACCACAGCCCCACCCACCCAGCCCTGCCTCCCCA
 GGGCCTCCCTTGGCCCTGAGGGAGGAGGAGGAGACGACGACCACCATCATCACCACGACAAGTGTAA
 CCACTACGGTGACCAGCCAGTTCTGTGTAATAACAACATCTCCGAGGGCGAAGGGTATGTGGAGTCTCC
 AGATCTGGGGAGCCCGTCAGCCGACCCCTGGGGCTCCTGGACTGCACCTACAGCATCCATGTCTACCT
 GGTACGGCATTGAGATCCAGGTGCAGACGCTGAACCTGTCACAGGAAGAGGAGCTCCTGGTGCTGGCTG
 GTGGGGATCCCCAGGCCTGGCCCCGACTCCTGGCCAACCTATCCATGCTTGGAGAAGGACAAGTCTCT
 TCGGAGCCCAACCAACCGGCTGCTTCTGCACCTCCAGAGCCACGGGTCCCAAGGGGCGGTGGCTTCAGG
 ATCCACTATCAGGCCTACCTCCTGAGCTGTGGCTTCCCTCCCCGGCCGGCCATGGGGACGTGAGTGTGA
 CGGACCTGCACCTGGGGCACTGCCACCTTCACTGTGATTCGGGCTACCAGCTGCAGGGAGAGGAGAC
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 GGCACCATCCACAATGCCACCTGGGCCGATCGTGTCCCAGAGCCTGGGGAGCCGTAGGGCCCAACC
 TCACCTGCCGTTGGGTCATTGAAGCAGCTGAGGGGCGCCGGCTGCACCTGCACCTTGAAGGATCTCGCT
 GGATGAGGACAATGACCGGCTGATGGTGGCTCAGGGGGCAGCCCCCTATCCCCGCTGATCTATGATTTCG
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 AGACACCTGCCAATCCCCTGCTGTTAAGCCTTCGATTTGAAGCCTTTGAGGAGGATCGTCTTCGCCCC
 CTTCTGGCACATGGAATGTCCTACCACGGACCCTGAGTATCGCCAGGGGCACTGGCAACCTTCTCG
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 CCCACTGGAACGACACAGAGCCGGCCTGCAAAGCCATGTGTGGAGGGGAGCTGTCGGAACAGCTGGCGT
 GGTCTCTCTCCGACTGGCCCCAGAGCTATAGCCCGGGCAAGACTGCGTGTGGGGCGTGCACGTCCAG
 GAAGAGAAGCGCATCTTGTCCAAGTTGAGATATTGAATGTGCGGAAGGGGACATGCTGACGCTGTTTCG
 ACGGGGACGGTCCCAGCGCCGAGTCTTGGCCAGCTGCGGGGACCTCAGCCGCGCCGCCCTTCTCTC
 CTCTGGGCCGACCTCACACTGCAGTTTACGGCACCGCCCGGGCCCCAAATCCAGGCCTGGGCCAGGGC
 TTCGATTTGCACTTCAAAGAGGTCCCGAGGAACGACACGTGCCCCGAGCTGCCACCTCCGGAGTGGGGCT
 GGAGAACGGCATCCCACGGGGACCTGATCCGGGGCAGGTGCTCACCTACCAGTGGCAGCCTGGCTACGA
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 CCGTTGGCTCCCACGTCCAGTACCGTGCCTGCCAGGTACAGCCTCGAGGGGGCAGCCATGCTCACCTG
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 TGCTGAACCCGGGGTTCCCGAGAATGGCTACCAGACGCTGTACAAGCACCACTACCAGGGGGCGGAGT
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 TGCCTTAGGCTTGGTATTGCTCCTCGGCAGTGGCGTTTACATCTACTACACCAAGCTTCAGGGAAAGTC
 CCTTTTCGGCTTCTCGGCTCCCACTCTACAGCCCCATACCGTGGAGTGGACTTCAGCAACCCGCTG
 TATGAAGCTGGGATACGCGGGAGTATGAAGTTCCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG235040 representing NM_001243332
 Red=Cloning site Green=Tags(s)

MGTPRAQHPPPPQLLFLILLSCPWIQGLPLKEEEILPEPGSETPTVASEALAE LLHGALLRRGPEMGYLP
 GSDDRDPTLATPPAGQTLAVPSLPRATEPGTGPLTTAVTPNGVVRGAGPTAPELLTPPPGTTAPPPSPASP
 GPPLGPEGEEETTTTIIITTTTITTTTSPVLCNNNI SEGEGYVE SPDLGSPVSR TLLGLDCTYSIHVYP
 GYGIEIQVQTLNLSQEEELLVLAGGGSPGLAPRLLANSSMLGEGQVLRSP TNRLLHLHFQSPRVPRGGGFR
 IHYQAYLLSCGFPPRPAHGDVSVTDLHPGGTATFHCD SGYQLQGEETL ICLNGTRPSWNGETPSCMASC
 GTIHNATLGRIVSPPEGGAVGNLTCRWVIEAAEGRRLHLHFERVSLDEDNDRLMVRSGGSPLSPVIYDS
 DMDDVPERGLISDAQSLYVELLSETPANPLLLSLRFEAFEEDRCFAPFLAHGNVTTDPEYRPGALATFS
 CLPGYALEPPGPPNAIECVDPTEPHWNDTEPACKAMCGGELSEPAGVVLSPDWPQSYSPGQDCVWGVHVQ
 EEKRILLQVEILNVREGDMLTLFDGDGPSARVLAQLRGPQPRRLLSSGPDLT LQFQAPPGPPNPLGQG
 FVLHFKEVPRNDTCPELPPPEWGWRTASHGDLIRGTVLTYQCEPGYELLGSDILTCQWDL SWSAAPPACQ
 KIMTCADPGEIANGHRTASDAGFPVGS HVQYRCLPGYSLEGAAMLTCYSRDTGTPKWSDRV PKCALKEYE
 CLNPGVPENGYQTL YKHHYQAGESLRFFCYEGFELIGEVITITCVPGHPSQWTSQPPLCKVAYEELLDNRK
 LEVTQTTPDSRQLEGGNLALAILLPLGLVIVLGS GYIYYTKLQKSLFGFSGSHSYSPITVESDFSNPL
 YEAGDTREYEYSI

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

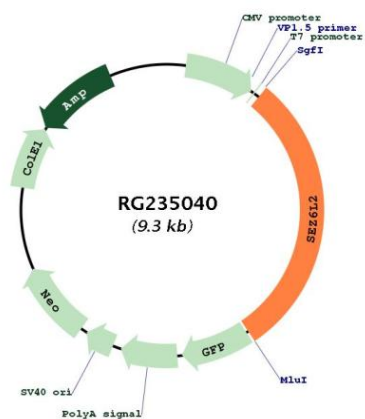
Cloning Scheme:



ACCN: NM_001243332

ORF Size:	2769 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:	<ol style="list-style-type: none">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_001243332.1 , NP_001230261.1
RefSeq Size:	3574 bp
RefSeq ORF:	2772 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 RG235040