

## Product datasheet for **SC308945**

### SEZ6L2 (NM\_012410) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEZ6L2 (NM_012410) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEZ6L2
Synonyms:	BSRPA; PSK-1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_012410 edited  
 GATCGGGGTGAGTCGCCATGGGGACTCCCAGGGCCAGCACCCGCGCTCCCCAGCTGC  
 TGTTCTAATTCTGCTGAGCTGTCCCTGGATCCAGGGTCTGCCCTGAAGGAGGAGGAGA  
 TATTGCCAGAGCCTGGAAGTGAGACCCACGGTGGCCTCTGAGGCCCTGGCTGAAGTGC  
 TTCATGGGGCCCTGCTGAGGAGGGGCCAGAGATGGGCTACCTGCCAGGGCCTCCCCTTG  
 GGCTGAGGGAGGAGAGGAGGAGACGACACCACATCATCACCACGACAAGTGTACCA  
 CTACGGTGACCAGCCAGTTCTGTGTAATAACAACATCTCCGAGGGCGAAGGGTATGTGG  
 AGTCTCCAGATCTGGGGAGCCCCGTGAGCCGACCCCTGGGGCTCCTGGACTGCACCTACA  
 GCATCCATGTCTACCCTGGCTACGGCATTGAGATCCAGGTGCAGACGCTGAACCTGTCAC  
 AGGAAGAGGAGCTCCTGGTGTGGTGGGGATCCCCAGGCCTGGCCCCCGACTCC  
 TGGCCAACTCATCCATGCTTGGAGAAGGACAAGTCTTCGGAGCCCAACCAACCGGCTGC  
 TTCTGCACTTCCAGAGCCACGGGTCCCAAGGGCGGTGGCTTCCAGATCCACTATCAGG  
 CCTACCTCCTGAGCTGTGGCTTCCCTCCCCGGCCGCCATGGGGACGTGAGTGTGACGG  
 ACCTGCACCCCTGGGGGACTGCCACCTTCACTGTGATTCGGGCTACCAGCTGCAGGGAG  
 AGGAGACCCTCATCTGCCTCAATGGCACCCGGCCATCCTGGAACGGTGAACCCCGAGCT  
 GCATGGCATCCTGTGGTGGCAACATCCACAATGCCACCCTGGGCCGCATCGTGTCCCAG  
 AGCCTGGGGGAGCCGTAGGGCCCAACCTCACTGCCGTTGGGTCAATTGAAGCAGCTGAGG  
 GGCGCCGGCTGCACCTGCACTTTGAAAGGGTCTCGCTGGATGAGGACAATGACCGGCTGA  
 TGGTGGCTCAGGGGGCAGCCCCATCCCCCGTGATCTATGATTCGGACATGGACGATG  
 TCCCCGAGCGGGTCTCATCAGTGACGCCAGTCCCTCTACGTGGAGCTGCTGTACAGAGA  
 CACCTGCCAATCCCCTGCTGTTAAGCCTTCGATTTGAAGCCTTTGAGGAGGATCGCTGCT  
 TCGCCCCCTTCTGACACATGAAATGTCACTACCACGGACCCTGAGTATCGCCAGGGG  
 CACTGGCAACCTTCTCGTCCCTCCAGGATATGCCCTGGAGCCCCCTGGGCCCCCAATG  
 CCATCGAATGTGTGGATCCACACAGAACCCTGGAACGACACAGAGCCGGCTGCAAAAG  
 CCATGTGTGGAGGGGAGCTGTGGAACAGCTGGCGTGGTCTCTCTCCGACTGGCCCC  
 AGAGCTATAGCCCGGGCAAGACTGCGTGTGGGGCTGCACGTCCAGGAAGAGAAGCGCA  
 TCTTGCTCCAAGTTGAGATATTGAATGTGCGGGAAGGGGACATGCTGACGCTGTTGACG  
 GGGACGGTCCCAGCGCCGAGTCTTGGCCAGCTGCGGGGACCTCAGCCGCGCCGCCG  
 TTCTCTCTCTGGGCCGACCTCACACTGCAGTTTCAGGCACCCCGGGCCCCCAATC  
 CAGGCCTGGGCCAGGGCTTCGTATTGCACTTCAAAGAGGTCCCGAGGAACGACACGTGCC  
 CCGAGCTGCCACCTCCGAGTGGGGCTGGAGAACGGCATCCACGGGGACCTGATCCGGG  
 GCACGGTCTCACCTACCAGTGCAGCCTGGCTACGAGCTGCTAGGCTCCGACATTCTCA  
 CTTGCCAGTGGGACCTGTCTTGGAGCGCCGCGCCCGCCCTGCCAAAAGATCATGACTT  
 GTGCTGACCTGGCGAGATTGCCAACGGGCACCCGACCCGCTCGGACGCCGGCTTCCCCG  
 TTGGCTCCCACGTCCAGTACCGTGCCTGCCAGGGTACAGCCTCGAGGGGACGACATGC  
 TCACCTGCTACAGCCGGGACACAGGCACACCCAAAGTGGAGCGATAGGGTCCCCAAATGCG  
 CCTTGAAGTACGAGCCGTGCCTGAACCCGGGGTTCGCGAATGGTACCAGACGCTGT  
 ACAAGCACCACTACCAGCGGGGAGTCTCTGCGCTTCTTCTGCTATGAGGGCTTTGAGC  
 TTATCGGCGAGGTCAACATCACCTGTGTGCCCCGGCCACCCTCCAGTGGACCAGCCAGC  
 CCCCCTCTGCAAAGTTGCCTATGAGGAGCTCCTGGACAACCGAAAAGTGAAGTGACCC  
 AGACCACAGATCCATCACGGCAGCTGGAAGGGGGAACTGGCCCTGGCCATCCTGCTGC  
 CTCTAGGCTTGGTCATTGTCTCGGCAGTGGCGTTTACATCTACTACCAAGCTTCCAGG  
 GAAAGTCCCTTTTCGGCTTCTCGGGCTCCACTCCTACAGCCCCATACCCTGGAGTCCG  
 ACTTCAGCAACCCGCTGTATGAAGCTGGGGATACGCGGGAGTATGAAGTTTCCATCTGAA  
 CCCCAGACTACAGCTGCAGGACCCAGGACGCCCTCCCCTCCTATTGCGGCAGAGGGA  
 AATACGGGACCCGGTCTCTGCCTCCTGGCTGCCCTCCTCCCTGGTGTGTAATAGTCTC  
 CCTATCCCACGAGGGGGCTTTGATGGCCCTGGAGATCCTACAGTAAATAAACAGCATCC  
 TGCCGCCCAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_012410

<b>Insert Size:</b>	2800 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_012410.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_012410.1, NP_036542.1</u>
<b>RefSeq Size:</b>	2855 bp
<b>RefSeq ORF:</b>	2562 bp
<b>Locus ID:</b>	26470
<b>UniProt ID:</b>	<u>Q6UXD5</u>
<b>Cytogenetics:</b>	16p11.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) uses an alternate in-frame splice site in the 5' coding region, compared to variant 5, resulting in an isoform (1) that is shorter than isoform 5.</p>