

Product datasheet for RC230618

SEZ6L (NM_001184775) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: SEZ6L (NM_001184775) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: SEZ6L
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RC230618 representing NM_001184775
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCCGCGGCCCGGCCCGCCGCGGGACTCCGCGGGATCTCGCTGTTCTCGCTCTGCTCCTGGGA
 GCCCGCGGCAGCGCTGGAGCGAGATGCTCTTCCCGAGGGAGATGCTAGCCCTTTGGTCCCTACCTCCT
 GCCCTCAGGAGCCCCGGAGAGAGGCAGTCTGGCAAAGAGCACCTGAAGAGAGAGTGGTAACAGCGCCC
 CCCAGTTCTCACAGTCGCGGAAAGTGCTGGCGAGCTGGTGCTGGATGGGACCGCACCTCTGCACATC
 ACGACATCCCAGCCCTGTCAACCGTCTTCCAGAGGAGGCCCGCCCAAGCACGCCTTGCCCCCAAGAA
 GAAACTGCCTTCGCTCAAGCAGGTGAACTCTGCCAGGAAGCAGCTGAGGCCAAGGCCACCTCCGAGCC
 ACTGTCCAAGGGCAGGGTCCCAGCCAGCGTCCCAGGGCCTAGATCTCTCTCCTCCACGGAGAAGC
 CTGGCCCCACGGGGACCCGACCCCATCGTGGCCTCCGAGGAGGCATCAGAAGTCCCTTTGGCTGGA
 CCGAAAGGAGAGTGCGGTCCCTACAACACCCGACCCCTGCAAATCTCCCTTCACTTCGACGCCCTAT
 GTGGCCACACACTCCCCAGAGGCCAGAACCCGGGAGCCTGGCCTGACATGGCCAGGAGGCCCCCC
 AGGAGGACACCAGCCCCATGGCCCTGATGGACAAAGGTGAGAATGAGCTGACTGGGTGAGCTCAGAGGA
 GAGCCAGGAGACCACTACCTCCACCATTATCACCACCACGGTATCACCACCGAGCAGGCACCAGCTCTC
 TGCACTGTGAGCTTCTCAATCCTGAGGGGTACATTGACTCCAGCGACTACCCACTGCTGCCCTCAACA
 ACTTTCTGGAGTGACATACAACGTGACAGTCTACACTGGCTATGGGGTGGAGCTCCAGGTGAAGAGTGT
 GAACCTGTCCGATGGGGAAGTCTCCATCCGCGGGGTGGACGGCCCTACCTGACCGTCTGGCCAAC
 CAGACACTCCTGGTGGAGGGCAGGTAATCCGAAGCCCCACCAACACCATCTCCGTCTACTTCCGGACCT
 TCCAGGACGACGGCCTTGGGACCTTCCAGCTTCACTACCAGGCCCTCATGCTGAGCTGCACTTTCCCGC
 CCGGCTGACTCTGGGGATGTACGGTGTGACTGCACTCAGGTGGGTGGCCACTTTCAGTGCCAC
 CTGGGCTATGAGCTCCAGGGCGCTAAGATGCTGACATGCATCAATGCCTCCAAGCCGCACTGGAGCAGCC
 AGGAGCCCATCTGCTCAGCTCCTTGTGGAGGGCAGTGCACAATGCCACCATCGGCCGCGTCTCTCCCC
 AAGTTACCTGAAAACACAAATGGGAGCCAATTCTGCATCTGGACGATTGAAGCTCCAGAGGGCCAGAAG
 CTGCACCTGCACTTTGAGAGGCTGTTGCTGCATGACAAGGACAGGATGACGGTTCACAGCGGGCAGACCA
 ACAAGTCAGCTTCTCTACGACTCCCTTCAAACCGAGAGTGTCCCTTTGAGGGCTGCTGAGCGAAGG
 CAACACCATCCGCATCGAGTTCACGTCCGACCAGGCCCGGGCGGCTCCACCTTCAACATCCGATTTGAA



[View online »](#)

CGGTTTGAGAAAGGCCACTGCTATGAGCCCTACATCCAGAATGGGAACCTCACTACATCCGACCCGACCT
 ATAAACATTGGGACTATAGTGGAGTTCACCTGCGACCCCGGCCACTCCCTGGAGCAGGGCCCGGCCATCAT
 CGAATGCATCAATGTGCGGGACCCATACTGGAATGACACAGAGCCCTGTGCAGAGCCATGTGTGGTGGG
 GAGCTCTCTGCTGGCTGGGGTGGTATTGTCCCCAACTGGCCCGAGCCCTACGTGGAAGGTGAAGATT
 GTATCTGGAAGATCCACGTGGGAGAAGAGAAACGGATCTTCTTAGATATCCAGTTCCTGAATCTGAGCAA
 CAGTGACATCTTGACCATCTACGATGGCAGCAGGTCATGCCCCACATCTTGGGGCAGTACCTTGGGAAC
 AGTGGCCCCAGAACTGTACTCTCCACGCCAGACTTAACCATCCAGTTCATTCCGACCCTGTGGCC
 TCATCTTTGAGAAAGGCCAGGGATTTATCATGAACTACATAGAGGTATCAAGGAATGACTCCTGCTCGGA
 TTTACCCGAGATCCAGAATGGCTGGAAAACCACTTCTCACACGGAGTTGGTGCGGGGAGCCAGAATCACC
 TACCAGTGTGACCCCGGCTATGACATCGTGGGAGTGACACCCTCACCTGCCAGTGGGACCTCAGCTGGA
 GCAGCGACCCCCATTTGTGAGAAAATTGTACTGCACCGACCCCGGAGAGGTGGATCACTCGACCCG
 CTTAATTTGCGATCCTGTGCTGCTGGTGGGACCACCATCCAATACACCTGCAACCCCGTTTTGTGCTT
 GAAGGGAGTCTCTTCTGACCTGCTACAGCCGTGAAACAGGGACTCCCATCTGGACGCTCGCCTGCCCC
 ACTGCGTTTCGGAGGAGTCCCTGGCATGTGACAACCCAGGGCTGCCTGAAAATGGATAACCAATCCTGTA
 CAAGCGACTCTACCTGCCAGGAGTCCCTCACCTTCATGTGCTACGAAGGCTTTGAGCTCATGGGTGAA
 GTGACCATCCGCTGCATCCTGGGACAGCCATCCCACTGGAACGGGCCCTGCCCGTGTGTAAGAAGCGG
 CAGCAGAGACGTCGTTGGAAGGGGGGAACATGGCCCTGGCTATCTTCATCCCGGTCTCATCATCTCCTT
 ACTGCTGGGAGGAGCCTACATTTACATCACAAGATGTCGCTACTATTCCAACCTCCGCTGCCTCTGATG
 TACTCCCACCCCTACAGCCAGATCACCGTGAAACCGAGTTTGACAACCCATTTACGAGACAGGGGAAA
 CCAGAGAGTATGAGGTTTCTATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230618 representing NM_001184775
 Red=Cloning site Green=Tags(s)

MPAARPPAAGLRGISLFLALLLGSPPAAALERDALPEGDASPLGPYLLPSGAPERGSPGKEHPEERVVTAP
 PSSSQSAEVLGELVLDGTAPSAHHDIPALSPLLPEEARPKHALPPKKLPSLKQVNSARKQLRPKATSAA
 TVQRAGSQPASQGLDLLSSSTEKPGPPGDPDPIVASEEASEVPLWDRKESAVPTTPAPLQISPFTSQPY
 VAHTLPQRPEPEGEPGPDMAQEAPQEDTSPMALMDKGENELTGSASEESQETTTSTIITTTVITTEQAPAL
 CSVSFSNPEGYIDSSDYPLLPLNFFLECTYNVTYTYGYVELQVKSYNLSDGELLSIRGVDGPTLTVLAN
 QTLLVEGQVIRSPNTNISVYFRFTQDDGLGTFQLHYQAFMLSCNFRRPDSGDVTVMDLHSGGVAHFHCH
 LGYELQGAKMLTCINASKPHWSSQEPICSAPCGGAVHNATIGRVLSPSYENTNGSQFCIWTIEAPEGQK
 LHLHFERLLLHDKDRMTVHSGQTNKSALLYDSLQTESVPFEGLLSEGNTIRIEFTSDQARAASTFNIRFE
 AFEKGHCYEPYIQNGNFTSDPTYNIGTIVEFTCDPGHSLEQGPATIECINVRDPYWNDTEPLCRAMCGG
 EL SAVAGVVLSPNWPEPYVEGEDCIWKIHVGEKRIFLDIQFLNLSNSDILTIYDGEVMPHILGQYLG
 SGPQKLYSSTPDLTIQFHSDPAGLIFGKGQGFIMNYIEVSRNDSCDLPEIQNGWKTTSHTELVRGARIT
 YQCDPGYDIVGSDTLTCQWDLWSSDPPFCEKIMYCTDPGEVDHSTRLLISDPVLLVGTTIQYTCNPGFVL
 EGSLLTCYSRETGTPIWTSRLPHCVSEESLACDNPLPENGYQILYKRLYLPGESLTFMCEYEGFELMGE
 VTIRCILGQPSHWNGPLPVCKEAAAETSLEGGNMALAIIPVLIISLLGGAYIYITRCRYNSNLRPLM
 YSHPYSQITVETEFDNPIYETGETREYEVSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

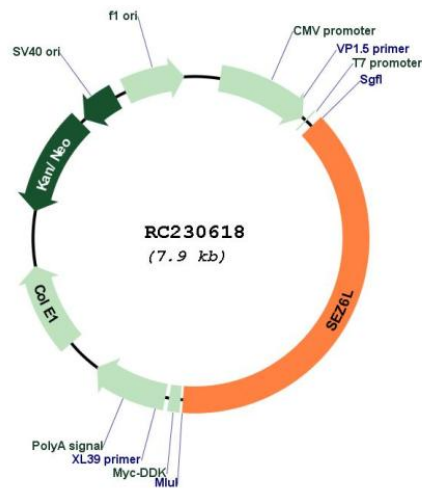
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001184775
 ORF Size: 3033 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_001184775.1 , NP_001171704.1
RefSeq ORF:	3036 bp
Locus ID:	23544
UniProt ID:	Q9BYH1
Cytogenetics:	22q12.1
Protein Families:	Druggable Genome, Transmembrane
MW:	110.8 kDa
Gene Summary:	May contribute to specialized endoplasmic reticulum functions in neurons.[UniProtKB/Swiss-Prot Function]