

Product datasheet for **RG230590**

SEZ6L (NM_001184777) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEZ6L (NM_001184777) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SEZ6L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230590 representing NM_001184777
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCGCGGCCCGGCCCGCCCGCGGGACTCCGCGGATCTCGCTGTTCTCGCTCTGCTCTGCGGGA
 GCCCGGCCGAGCGCTGGAGCGAGATGCTCTCCGAGGGAGATGCTAGCCCTTTGGGTCTTACCTCCT
 GCCCTCAGGAGCCCCGGAGAGAGCAGTCTGGCAAAGAGCACCTGAAGAGAGAGTGGTAAACAGCGCCC
 CCCAGTTCCTCACAGTCGGCGGAAGTGCTGGGCGAGCTGGTGTGGATGGGACCGCACCTCTGCACATC
 ACGACATCCCAGCCCTGTACCCTGCTCCAGAGGAGGCCGCCCAAGCACGCCTTGCCCCCAAGAA
 GAAACTGCCTTCGCTCAAGCAGGTGAATCTGCCAGGAAGCAGCTGAGGCCCAAGGCCACCTCCGCAGCC
 ACTGTCCAAGGGCAGGGTCCCAGCCAGCGTCCCAGGGCCTAGATCTCTCTCTCTCCACGGAGAAGC
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 GTGGCCACACACTCCCCAGAGGCCAGAACCCGGGAGCCTGGGCTGACATGGCCAGGAGGCCCCCC
 AGGAGGACACCAGCCCCATGGCCCTGATGGACAAGGTGAGAATGAGCTGACTGGGTGAGCTCAGAGGA
 GAGCCAGGAGACCACTACCTCCACCATTACACCACCGGTATCACCACCGAGCAGGCACCAGCTCTC
 TGCAGTGTGAGCTTCTCAATCTGAGGGGTACATTGACTCCAGCGACTACCCACTGCTGCCCTCAACA
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 ACAAGTCACTCTTCTACGACTCCCTCAAACCGAGAGTGTCCCTTTGAGGGCTGCTGAGCGAAGG
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 GCGTTTGAAAAGGCCACTGCTATGAGCCCTACATCCAGAATGGGAATCACTACATCCGACCCGACCT
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 CGAATGCATCAATGTGCGGGACCCATACTGGAATGACACAGAGCCCTGTGCAGAGCCATGTGTGGTGGG
 GAGCTCTCTGCTGTGGTGGGGTGGTATTGTCCCCAACTGGCCCGAGCCCTACGTGGAAGGTGAAGATT
 GTATCTGGAAGATCCACGTGGGAGAAGAGAAACGGATCTTCTTAGATATCCAGTTCCTGAATCTGAGCAA
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 AACCTCCGCTGCTCTGATGTAAGTCCCACCCCTACAGCCAGATCACCGTGGAAACCGAGTTTGACAACC
 CCATTTACGAGACAGGGAAACAGAGAGTATGAGTTTCTATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230590 representing NM_001184777
 Red=Cloning site Green=Tags(s)

MPAARPPAAGLRGISLFLALLLGSAAAALERDALPEGDASPLGPYLLPSGAPERGSPGKEHPEERVVTAP
 PSSSQSAEVLGELVLDGTAPSAHHDIPALSPLLPEEARPKHALPPKKLPSLKQVNSARKQLRPKATSAA
 TVQRAGSQPASQGLDLLSSSTEKPGPPGDPDPIVASEEASEVPLWDRKESAVPTTPAPLQISPFTSQPY
 VAHTLPQRPEPEPGEPPDMAQEAPQEDTSPMALMDKGENELTGSASEESQETTTSTIITTTVITTEQAPAL
 CSVSFSNPEGYIDSSDYPLLPLNDFLECTYNTVYTYGYGVELQVKSVDLSDGELLIRGVGDGPTLTVLAN
 QTLLEVGQVIRSPNTNTISVYFRTFQDDGLGTFQLHYQAFMLSCNFRRPDSGDVTVMDLHSGVVAHFHCH
 LGYELQGAKMLTCINASKPHWSSQEPICSAPCGGAVHNATIGRVLSPSPENTNGSQFCIWTIEAPEGQK
 LHLHFERLLLHDKDRMTVHSGQTNKSALLYDSLQTESVPFEGLLSEGNTIRIEFTSDQARAASTFNIRFE
 AFEKGHCYEPYIQNGNFTSDPTYNIGTIVEFTCDPGHSLEQGPATIECINVRDPYWNDTEPLCRAMCGG
 EL SAVAGVVLSPNWPEPYVEGEDCIWKIHVGEKRIFLDIQFLNLSNSDILTIYDGEVMPHILGQYLVGN
 SGPQKLYSSTPDLTIQFHSDPAGLIFGKGQGFIMNYIEVSRNDSCSDLPEIQNGWKTTSHTELVRGARIT
 YQCDPGYDIVGSDTLTCQWDLWSSSDPPFCEKIMYCTDPGEVDHSTRLLISDPVLLVGTTIQYTCNPGFVL
 EGSLLTCYSRETTGPIWTSRLPHCVLAEEAAETSLEGGNMALAFIPVLIISLLLGGAYIYITRCRYYS
 NLRLPLMYSHPHYQITVETEFDNPIYETGETREYEVSI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

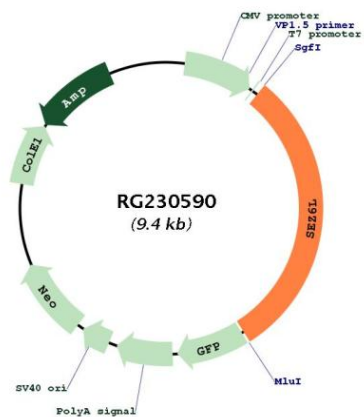
Cloning Scheme:



ACCN: NM_001184777

ORF Size:	2844 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_001184777.2
RefSeq Size:	6345 bp
RefSeq ORF:	2847 bp
Locus ID:	23544
UniProt ID:	Q9BYH1
Cytogenetics:	22q12.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	May contribute to specialized endoplasmic reticulum functions in neurons.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG230590