

Product datasheet for **RG232017**

SEC11A (NM_001271922) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SEC11A (NM_001271922) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SEC11A
Synonyms: 1810012E07Rik; SEC11L1; sid2895; SPC18; SPCS4A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232017 representing NM_001271922
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTCTCTAGACTTTTTGGACGATGTGCGCGGATGAACAAGCGGCAGCTCTATTATCAAGTCTTAA
 ATTTTGAATGATTGTCTCATCGGCACTAATGATCTGGAAGGGTTAATGGTAATAACTGGAAGTAAAAG
 TCCGATTGTAGTGGTCTCAGTGGCAGCATGGAACCTGCATTTTCATAGAGGAGATCTTCTTTCTAACA
 AATCGAGTTGAAGATCCCATACGAGTGGGAGAAATGTTGTTTTAGGATAGAAGGAAGAGAGATTCCTA
 TAGTTCACCGAGTCTTGAAGATTCATGAAAAGCAAATGGGCATATCAAGTTTTTGACCAAAGGAGATAA
 TAATGCGTTGATGACCGAGGCCTCTATAAACAAGGACAACATTGGCTAGAGAAAAAAGATGTTGTGGGG
 AGAGCCAGGGGTATGCAGTTCTTTTTGCTGGGTTTATTCGTGCTGGTTCATCGTGAGTAAGAAGCCTG
 CCTTGCTGTTCTGGGAAGATGCCATAGTTTTCTGTTACTGGATGTTTGGAGTAGATACTGGTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG232017 representing NM_001271922
 Red=Cloning site Green=Tags(s)

MLSLDFLDDVRRMNRQLYYQVLNFGMIVSSALMIWKGLMVTGSESPVVVLSGSMEPAFHRGDLFLFT
 NRVEDPIRVGEIVVFRIEGREIPIVHRVLIHEKQNGHIKFLTKGDNNVDDRGLYKQGGHWLEKKDQVVG
 RARGMQFSFCWVYSCWFIVSKKPALLFLGRCHSFRYWMFQVDTGL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

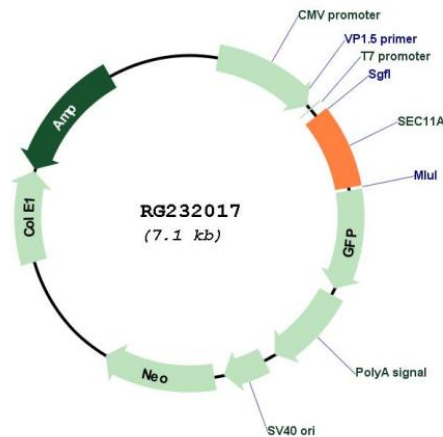


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271922

ORF Size: 555 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:	<u>NM_001271922.1</u> , <u>NP_001258851.1</u>
RefSeq Size:	1366 bp
RefSeq ORF:	558 bp
Locus ID:	23478
UniProt ID:	<u>P67812</u>
Cytogenetics:	15q25.2-q25.3
Protein Families:	Druggable Genome, Protease, Transmembrane
Protein Pathways:	Protein export
Gene Summary:	This gene encodes a member of the peptidase S26B family. The encoded protein is an 18kDa subunit of the signal peptidase complex and has been linked to cell migration and invasion, gastric cancer and lymph node metastasis. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 8. [provided by RefSeq, Dec 2012]