

Product datasheet for **RG202122**

SEC11C (NM_033280) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SEC11C (NM_033280) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SEC11C
Synonyms: SEC11L3; SPC21; SPCS4C
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202122 representing NM_033280
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGCCTGCGGGCGCCGTGGGGCTCATCTCCCGCGTCCGGCTTGGATATCTTCGGGGACCTGAAGA
 AGATGAACAAGCGCCAGCTCTATTACCAGGTTTTAACTTCGCCATGATCGTGTCTTCTGCACTCATGAT
 ATGGAAGGCTTATCGTCTCACAGGCAGTGAGAGCCCCATCGTGGTGGTGTGAGTGGCAGTATGGAG
 CCGGCCTTTCACAGAGGAGACCTCCTGTCTCACAAATTTCCGGGAAGACCCAATCAGAGCTGGTGAAA
 TAGTTGTTTTAAAGTTGAAGGACGAGACATTCCAATAGTTCACAGAGTAATCAAAGTTCATGAAAAAGA
 TAATGGAGACATCAAATTTCTGACTAAAGGAGATAATAATGAAGTTGATGATAGAGGCTGTACAAGAA
 GGCCAGAAGTGGCTGAAAAAGAAGGACGTGGTGGGAAGAGCAAGAGGGTTTTTACCATATGTTGGTATGG
 TCACCATAATAATGAATGACTATCCAAAATTAAGTATGCTCTTTGGCTGTAATGGGTGCATATGTGTT
 ACTAAAACGTGAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202122 representing NM_033280
 Red=Cloning site Green=Tags(s)

MVRAGAVGAHLPASGLDIFGDLKKNRQLYYQVLFAMIVSSALMIWKGLIVLTGSESPVVVLSGSME
 PAFHRGDLFLTNFREDPIRAGEIVVFKVEGRDIPVHRVIKVHEKDNGDIKFLTKGDNNEVDDRGLYKE
 GQNWLEKKDVVGRARGFLPYVGMVTIIMNDYPKFKYALLAVMGAYVLLKRES

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_033280

ORF Size: 576 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:

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_033280.4](#)

RefSeq Size: 794 bp

RefSeq ORF: 579 bp

Locus ID: 90701

UniProt ID: [Q9BY50](#)

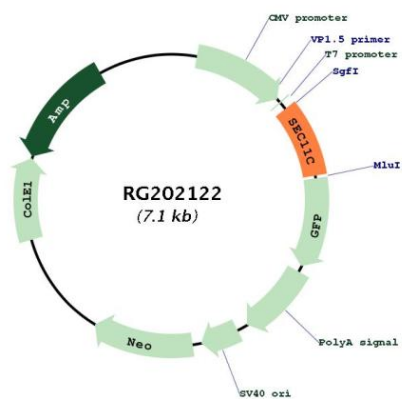
Cytogenetics: 18q21.32

Protein Families: Protease, Transmembrane

Protein Pathways: Protein export

Gene Summary: Component of the microsomal signal peptidase complex which removes signal peptides from nascent proteins as they are translocated into the lumen of the endoplasmic reticulum.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202122