

## Product datasheet for **RC231865**

### SEC11A (NM\_001271918) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SEC11A (NM\_001271918) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SEC11A  
**Synonyms:** 1810012E07Rik; SEC11L1; sid2895; SPC18; SPCS4A  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC231865 representing NM\_001271918  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATTGTCTCATCGGCACTAATGATCTGGAAGGGTTAATGGTAATAACTGGAAGTGAAAGTCCGATTG  
TAGTGGTGCTCAGTGGCAGCATGGAACCTGCATTTTCATAGAGGAGATCTTCTTTCTAACAAATCGAGT  
TGAAGATCCCATACGAGTGGGAGAAATTGTTGTTTTAGGATAGAAGGAAGAGAGATTCTATAGTTCAC  
CGAGTCTTGAAGATTCATGAAAAGCAAATGGGCATATCAAGTTTTGACCAAAGGAGATAATAATGCGG  
TTGATGACCGAGGCTCTATAACAAGGACAACATTGGCTAGAGAAAAAGATGTTGTGGGGAGAGCCAG  
GGGATTTGTTCTTATATTGGAATTGTGACGATCCTCATGAATGACTATCCTAAATTTAAGTATGCGATT  
CTCTTTTGCTGGGTTTATTCGTGCTGGTTCATCGTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC231865 representing NM\_001271918  
**Red=Cloning site Green=Tags(s)**

MIVSSALMIWKGLMVITGSESPIVVLSGSMEPAFHRGDLLFLTNRVEDPIRVGEIVVFRIEGREIPIVH  
RVLKIHEKQNGHIKFLTKGDNNAVDDRGLYKQGHWLEKKDQVVRARGFVPYIGIVTILMNDYPKFKYAV  
LFLLGLFVLVHRE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

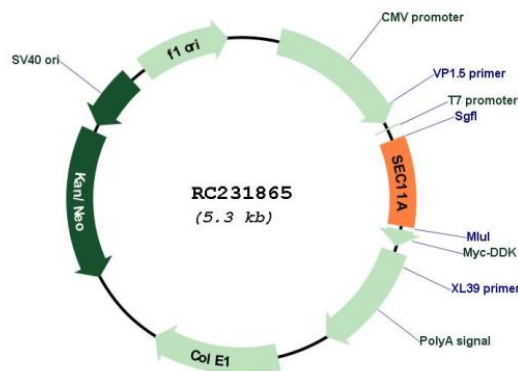
**Restriction Sites:** SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_001271918

ORF Size: 459 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.

<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_001271918.1, NP_001258847.1</u>
<b>RefSeq Size:</b>	1560 bp
<b>RefSeq ORF:</b>	462 bp
<b>Locus ID:</b>	23478
<b>UniProt ID:</b>	<u>P67812</u>
<b>Cytogenetics:</b>	15q25.2-q25.3
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>Protein Pathways:</b>	Protein export
<b>MW:</b>	17.9 kDa
<b>Gene Summary:</b>	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]