

## Product datasheet for **SC331008**

### SEC11A (NM\_001271922) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SEC11A (NM\_001271922) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SEC11A  
**Synonyms:** 1810012E07Rik; SEC11L1; sid2895; SPC18; SPCS4A  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331008 representing NM\_001271922.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

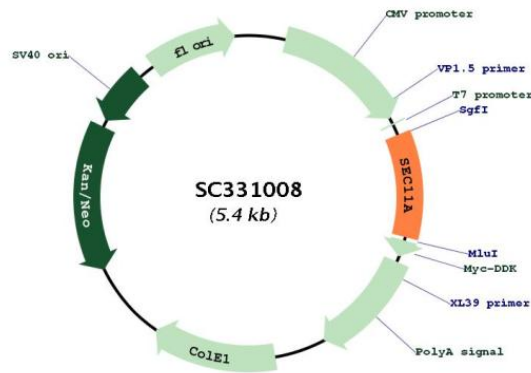
```
ATGCTGTCTCTAGACTTTTTGGACGATGTGCGCGGATGAACAAGCGGCAGCTCTATTATCAAGTCCTA
AATTTTGGAAATGATTGTCTCATCGGCACTAATGATCTGGAAGGGTTAATGGTAATAACTGGAAGTGAA
AGTCCGATTGTAGTGGTCTCAGTGGCAGCATGGAACCTGCATTCATAGAGGAGATCTTCTTTTCTA
ACAAATCGAGTTGAAGATCCCATACGAGTGGGAGAAATTGTTGTTTTAGGATAGAAGGAAGAGAGATT
CCTATAGTTCACCGAGTCTTGAAGATTCATGAAAAGCAAATGGGCATATCAAGTTTTTGACCAAAGGA
GATAATAATGCGGTTGATGACCGAGGCCTATAAACAAGGACAACATTGGCTAGAGAAAAAAGATGTT
GTGGGGAGAGCCAGGGGTATGCAGTTCTTTTTGCTGGGTTTATTCGTGCTGGTTCATCGTGAGTAAG
AAGCCTGCCTTGCTGTTCTGGGAAGATGCCATAGTTTTCTGTTACTGGATGTTTGGAGTAGATACTGGT
CTGTGA
```

**Restriction Sites:** Sgfl-Mlul



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Plasmid Map:



**ACCN:** NM\_001271922

**Insert Size:** 558 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001271922.1](#)

**RefSeq Size:** 1366 bp

**RefSeq ORF:** 558 bp

**Locus ID:** 23478

**UniProt ID:** [P67812](#)

**Cytogenetics:** 15q25.2-q25.3

**Protein Families:** Druggable Genome, Protease, Transmembrane

**Protein Pathways:** Protein export

**MW:** 21.5 kDa

**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]

Transcript Variant: This variant (3) uses an alternate in-frame exon and lacks an exon in the 3' coding region which results in a frameshift, compared to variant 1. The encoded isoform (3) is longer and has a distinct C-terminus, compared to isoform 1.