

## Product datasheet for **SC320451**

### SEC11A (NM\_014300) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SEC11A (NM\_014300) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SEC11A  
**Synonyms:** 1810012E07Rik; SEC11L1; sid2895; SPC18; SPCS4A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_014300.2  
 GAAGGTGGCAGAGCAGCCTCCCAACTAAGCCTGGGTCGCCGCTCGGTGAAGGGCCGCG  
 GGGCCGAGCGCGGAAGTGGCGTCCAGTCCGTTTTGGCAGCGCAGAGCCAGAGCGTGAG  
 AACCTCCACGCGAGGCCAAGCCCTGAGACTGGACTAGCAAGTCTGTGAGTCTCTCTG  
 TCAGTCTCCGACGCAAGGGGCGGGGGCGGGACCCTGCCGACCGTGCCAGCTCC  
 CGCTCCGGAAGCGGAAGTGAAGCACTGCGGGTCTGTCCAGTGTGAGCCGACCCGAG  
 CTCCAGTAGTCCGCCGCTGGTCATCGCGCCCTTTCCCTGCCGGTGTCTGCTCGCCG  
 TCCCCGCATGCTGTCTAGACTTTTTGGACGATGTGCGGCGGATGAACAAGCGGCAGC  
 TCTATTCAAGTCTAAATTTTGAATGATTGTCTCATCGGCACTAATGATCTGGAAGG  
 GGTTAATGGTAATAACTGGAAGTAAAAGTCCGATTGTAGTGGTGTCTAGTGGCAGCATGG  
 AACCTGCATTTTCATAGAGGAGATCTTCTTTCTAACAAATCGAGTTGAAGATCCCATAC  
 GAGTGGGAGAAATGTTGTTTTAGGATAGAAGGAAGAGAGATTCTATAGTTCACCGAG  
 TCTTGAAGATTCATGAAAAGCAAAATGGGCATATCAAGTTTTTGACCAAAGGAGATAATA  
 ATGCGGTTGATGACCGAGGCCTCTATAACAAGGACAACATTGGCTAGAGAAAAAGATG  
 TTGTGGGGAGAGCCAGGGGATTTGTTCTTATATTGGAATTGTGACGATCCTCATGAATG  
 ACTATCCTAAATTTAAGTATGCAGTCTCTTTTTGCTGGGTTTATTCGTGCTGGTTCATC  
 GTGAGTAAGAAGCCTGCCTTGTGTTCTGGGAAGATGCCATAGTTTTCGTTACTGGATG  
 TTTGGAGTAGATACTGGTCTGTGATTGGTGGAAATGGAGAACACACGTGTTGGTCTCTG  
 GGTAGCACTGGTTTGCATTAGTTTATGTTTCCATGCCAGAGTTTGTGTGGGCGGGCGCAT  
 GTGCACCACAGAGTGCACCTCGAGGGGACTTTCAGTCCAGGATTTTCATAATTGTCAATTGT  
 CACACTTTCAAATTTTTGTACATCAGTGAATTTTTTATATTAAGGTTGAGCCAAAGC  
 CCCCAGTGTGTTTTGATTTGAAGCCAAGCTTCACTTCTAAAGTGCCTACAGAGACTTGAA  
 ATGAAAATGCAGCTCTGCACGAGTTTGAACCGTCATACCTCCTTCTATTAGGAATGGCA  
 TATACTGAGGTGGTCGTAAGTCTTAACTTCTAAAATTTTAAATAAAGACTTTGCACATT  
 GAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_014300
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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><a href="#">NM_014300.2</a></u> , <u><a href="#">NP_055115.1</a></u>
<b>RefSeq Size:</b>	1399 bp
<b>RefSeq ORF:</b>	540 bp
<b>Locus ID:</b>	23478
<b>UniProt ID:</b>	<u><a href="#">P67812</a></u>
<b>Cytogenetics:</b>	15q25.2-q25.3
<b>Domains:</b>	Peptidase_S26
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>Protein Pathways:</b>	Protein export
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame exon in the central coding region, compared to variant 1. It encodes a longer protein (isoform 2) compared to isoform 1.</p>