

## Product datasheet for **SC115102**

### 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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115102 sequence for NM_014300 edited (data generated by NextGen Sequencing)

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ATGCTGTCTCTAGACTTTTTGGACGATGTGCGGCGGATGAACAAGCGGCAGCTCTATTAT
CAAGTCCTAAATTTTGAATGATTGTCTCATCGGCACTAATGATCTGGAAGGGTTAATG
GTAATAACTGGAAGTGAAGTCCGATTGTAGTGGTGTCTAGTGGCAGCATGGAACCTGCA
TTTCATAGAGGAGATCTTCTCTTTCTAACAAATCGAGTTGAAGATCCCATACGAGTGGGA
GAAATTGTTGTTTTAGGATAGAAGGAAGAGAGATTCTATAGTTCACCGAGTCTTGAAG
ATTCATGAAAAGCAAAATGGGCATATCAAGTTTTTGACCAAAGGAGATAATAATGCGGTT
GATGACCGAGGCCTCTATAAACAAGGACAACATTGGCTAGAGAAAAAGATGTTGTGGGG
AGAGCCAGGGGATTTGTTTCCTTATATTGGAATTGTGACGATCCTCATGAATGACTATCCT
AAATTTAAGTATGCAGTTCTCTTTTTGCTGGGTTATTCTGTGCTGTTTCATCGTGAGTAA
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Clone variation with respect to NM\_014300.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_014300 unedited  GGTTTCAGATTTTGTAAATACGACTTCACTATAGGGCGGCCGCAATTCGCACGAGGCTGGG  TCGCCGCTCGGTGAAGGGCCGCGGGCCGAGCGCGGGAAGTGGCGTCCAGTCCGGTTTTT  GGCAGGCGAGAGCCAGAGCGTGAGAACCCTCCACGGCGAGGCCAAGCCCTGAGACTGGA  CTAGCAAGGTCGTGAGTCTCTGTGTCAGTCTCCGCAGCGAAGGGGCGCGGGGGCGGGG  ACCGTGCCCGACCGTGCCAGTCCC GCCCGGAAGCGGAAGTCAAGCACTGCGGGGTCC  TGTCCAGTGTGAGCCCGACCCGAGCTCCAGTAGTTCGCCCGCTGGTTCATCGCGCCCTTT  CCCTGCGGGTGTCTGCTCGCCGTCGCCGATGCTGTCTAGACTTTTTGGACGATG  TGGCGCGGATGAACAAGCGGCAGCTCTATTATCAAGTCCTAAATTTTGAATGATTGTCT  CATCGGCACTAATGATCTGGAAGGGTTAATGGTAATAACTGGAAGTGAAGTCCGATTG  TAGTGGTGTCTAGTGGCAGCATGGAACCTGCATTTTATAGAGGAGATCTTCTTTTCTAA  CANATCGAGTTGAAGATCCCATACGAGTGGGAGAAATTGTTGTTTTTAGGATAGAAGGAA  GAGAGATTCTATAGTTCACCGAGTCTTNAAGATTCATGAAAGCANAATGGGCATATCA  AGTTTTTGACAAAGGAGATAAATATGCNGTTGATGACCGNAGCCTCTATNAACAAGGAC  NACATTGGCTAGAGAAAAAGATNNGTGTGGGAGAGCCAGGGGGATTGTCCTTATATTGGA  ATGTGACGATCCTCATGAATGACTATCCCTAATTTAGTATGCAGTCTCTTTTTGCTGGG  TNATTCCTGCTGGTTCATCGTGAGTAAAAGC</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_014300 unedited  TACCGCGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCAATGTGCAAAGTCT  TTTTTTAAAATTTAGAAAGTTAAGACTTACGACCACCTCAGTATATGCCATTCCTAATA  GAAGGAGGTATGACGGTTTCAAACCTCGTGCAGAGCTGCATTTTCAATTTACAAGTCTGT  AGGCACTTTAAAAGTGAAGCTTGGCTTCAAATACAAACTGCGGGGCTTTGGCTCAACC  TTTTAATATAAAAAAATTCAGTGTACAAAAATTTGAAAGTGTGACAATGACAATTAT  GAAATCCTATGACTGAAAGTCCCTCGAGTGCAGTCTGTGGTGCACATGCGCCCCGCCAC  ACAACTCTGGCATGGAACATAAACTAATGCAAACCAGTGTACCCAGAAGCACCACA  CGTGTGTTCTCCATTCCACCAATCACAGACCAGTATCTACTCAAACATCCAGTAACGAA  AACTATGGCATCTTCCAGGAACAGCAAGGCAGGCTTCTACTCACGATGAACCAGCAGC  AATAAACCCAGCAAAAAGAGAAGTGCATACTTAAATTTAGGATAGTCAATCATGAGGATC  GTCACAATTCGAATATAAGGAACAAATCCCCTGGCTCTCCCAACAACATTTTTTCTCT  AGCCAAATGTTGCTTGTATAGAGGCTCGGTATCAACCGCATTATTATCTCCTTTG  GTCAAAACTTGATATGCCATTTTGTCTTTTATGAATCTTCAAGACTCGGTGAACATA  NGAATCTCTCTTCTATCCTAAAACAACAATTTCTCCCACTCGTATGGGATCTTCAA  CTCATTGTGTTAGAGAGATGATCTCTTGAATGCAGTCTCTGCTGCCCTGAGCCCACT  TACATGGACTTTCACTCCAATAT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014300
<b>Insert Size:</b>	1360 bp
<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>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>	<a href="#">NM_014300.2</a> , <a href="#">NP_055115.1</a>
<b>RefSeq Size:</b>	1399 bp
<b>RefSeq ORF:</b>	540 bp
<b>Locus ID:</b>	23478
<b>UniProt ID:</b>	<a href="#">P67812</a>
<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>