

## Product datasheet for SC115384

### SEC14 like protein 2 (SEC14L2) (NM\_012429) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEC14 like protein 2 (SEC14L2) (NM_012429) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC14 like protein 2
Synonyms:	C22orf6; SPF; TAP; TAP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115384 sequence for NM_012429 edited (data generated by NextGen Sequencing)

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ATGAGCGGCAGAGTCGGGATCTGAGCCCCAAGCAGAAGGAGGCATTGGCCAAGTTTCGG
GAGAATGTCCAGGATGTGCTGCCGGCCCTGCCGAATCCAGATGACTATTTCTCCTGCGT
TGGCTCCGAGCCAGAAGCTTCGACCTGCAGAAAGTCGGAGGCCATGCTCCGGAAGCATGTG
GAGTTCGAAAGCAAAGGACATTGACAACATCATTAGCTGGCAGCCTCCAGAGGTGATC
CAACAGTATCTGTGAGGGGATGTGTGGCTATGACCTGGATGGCTGCCAGTCTGGTAC
GACATAATTGGACCTCTGGATGCCAAGGGTCTGCTGTTCTCAGCCTCCAAACAGGACCTG
CTGAGGACCAAGATGCGGGAGTGTGAGCTGCTTCTGCAAGAGTGTGCCACCAGACCACA
AAGTTGGGGAGGAAGGTGGAGACCATCACCATAATTTATGACTGCGAGGGGCTTGGCCTC
AAGCATCTCTGGAAGCCTGCTGTGGAGGCCTATGGAGAGTTTCTCTGCATGTTTGAGGAA
AATTATCCCGAAACACTGAAGCGTCTTTTTGTTGTTAAAGCCCCAAACTGTTTCCTGTG
GCCTATAACCTCATCAAACCTTCTCTGAGTGAGGACACTCGTAAGAAGATCATGGTCCTG
GGAGCAAATTGGAAGGAGGTTTTACTGAAACATATCAGCCCTGACCAGGTGCCTGTGGAG
TATGGGGGCACCATGACTGACCTGATGGAAACCCCAAGTCAAATCCAAGATCAACTAC
GGGGGTGACATCCCAGGAAGTATTATGTGCGAGACCAGGTGAAACAGCAGTATGAAACAC
AGCGTGACAGATTTCCCGTGGCTCCTCCCACCAAGTGGAGTATGAGATCCTTCCCTGGC
TGTGTCCTCAGGTGGCAGTTTATGTGATGGAGCGGATGTTGGTTTTGGGATTTTCCTG
AAGACCAAGATGGGAGAGAGGCAGCGGGCAGGGGAGATGACAGAGGTGCTGCCAACCCAG
AGGTACAACCTCCACCTGGTCCCTGAAGATGGGACCCTCACCTGCAGTATCCTGGCAGT
TATGTCCTGCGGTTTGACAACACCTACAGCTTCATTTCATGCCAAGAAGGTCAATTTCACT
GTGGAGGTCTGCTTCCAGACAAAGCCTCAGAAGAGAAGATGAAACAGCTGGGGCAGGC
ACCCCGAAATAA

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Clone variation with respect to NM\_012429.3

32 g=>a



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_012429 unedited  
 NAAGAGGTCTANATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGGCGG  
 CGAGGACGAGTCTGTGCTCCATCAGCTGCCGCACCCGCCGCTCCCGCCCCAAACCCCA  
 TCCCCGCGTTGAGCCACGATGAGCGGCAGAGTCGGCGATCTGAGCCCCAAGCAGAAGGA  
 GGCATTGGCCAAGTTTCGGGAGAATGTCCAGGATGTGCTGCCGGCCCTGCCGAATCCAGA  
 TGACTATTTTCTCCTGCGTTGGCTCCGAGCCAGAAGCTTCGACCTGCAGAAGTCGGAGGC  
 CATGCTCCGGAAGCATGTGGAGTTCGAAAGCAAAGGACATTGACAACATCATTAGCTG  
 GCAGCCTCCAGAGGTGATCCCTCAGTATCTGTGAGGGGGTATGTGTGGCTATGACCTGGA  
 TGCTGCCAGTCTGGTACGACATAATTGGACCTCTGGATGCCAAGGGTCTGCTGTTCTC  
 AGCCTCCAAACAGGACCTGCTGAGGACCAAGATGCGGGAGTGTGAGCTGTTCTGCAAGA  
 GTGTGCCACCAGACCCAAAGTTGGGGAGGAAGGTGGAGACCATCACCATAATTTATGAC  
 TGCCAGGGGCTTGGCCTCAAGCATCTCTGGAAGCCTGCTGTGGAGGCTATGGAGAGTTT  
 CTCTGCATGTTTGGAGAAAATTATCCCGAAACACTGAAGCGTCTTTTGTGTTAAAGCC  
 CCCAAACTGTTTCTGTGNCCTATACCTCATCAAACCTTCTGAGTGAGGACACTCGT  
 AAGAAGACATGGTCTGGGGAGCAATGGAAGGAGTTTTACTGAACATATCACCTGACCA  
 GTGCCCTGTGAGTTGGGGCACATGACTGACCTGATGGAACCCN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_012429 unedited  
 GCGGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTGGCGACTGAACGTTGCTTT  
 ATTCATTGGTTAATTTTCTAACAGCGTTGTAACCCAGGCCGGGATGTCCTGAGCGTTC  
 TGGCAGAGGCCCGTGCAGCCTCGGCCCTTCCGGTCCGCGCTAGCCTGGCCTTTGCCCTG  
 ACTCCCTCAGTTTGCAAAGAGAGCTTCCAAAAAGGGGCCGGGGCCCTGCCTCTGGAAGG  
 AGAAGGCTTTCCCCCAGTCTGGGGGCCCTTCTTGTTCCTTAAACCCCCCCCCC  
 GGGGTCTCTTGGCGGGGCCCTGGGACTGGGGTAGGGGCTCGGTTCTCAGGGCCCTTTG  
 CCCCCCCCCACCCCTTTTCGCGAAAACCCCCCCCCCCCCCTGCGCGGACTCCCCCGCG  
 GGGGACCCATACCCGCCACACCACCGCACCTCCCCCCCCCAACACAAACTCCCCCT  
 CTCCCTCAGTGGCGCCCTCTCCCACCCCTCCCCCTTCCCCTCCCCCTCCCCCCACCT  
 TTCTATCTCTCTCCCCCCCCCCCCCCCCCCCCCCCCCTCCTCCTTCCCCCTCC  
 TCTTTCCCCCCCCCTCCTCCCCTCAGTTCTCCTCCCCCACCCTCCTCCCCCTCCC  
 TTCTACTCCCCCTTCCCCCTCCCCCTCCCTTTCCCCCCCCCTCATCTCCACCCCCATC  
 CCATTTTCAGACCTTTGTCCGCATCGCCATCTCCCCTTCCCCTCGCCCCCACCCT  
 CCCCCCCCCCATCCTGTTTTCCATTTTTTGTCCCTCCCCACCT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_012429

**Insert Size:**

2820 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\\_012429.1](#), [NP\\_036561.1](#)

**RefSeq Size:** 2818 bp

**RefSeq ORF:** 1212 bp

**Locus ID:** 23541

**UniProt ID:** [O76054](#)

**Cytogenetics:** 22q12.2

**Domains:** SEC14

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes a cytosolic protein which belongs to a family of lipid-binding proteins including Sec14p, alpha-tocopherol transfer protein, and cellular retinol-binding protein. The encoded protein stimulates squalene monooxygenase which is a downstream enzyme in the cholesterol biosynthetic pathway. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Oct 2008]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.