

## Product datasheet for **SC319162**

### **C11orf2 (VPS51) (NM\_013265) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C11orf2 (VPS51) (NM_013265) Human Untagged Clone
Tag:	Tag Free
Symbol:	C11orf2
Synonyms:	ANG2; ANG3; C11orf2; C11orf3; FFR; PCH13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_013265.2  
 GTTGGAACGATGGCGGGCAGCTGCCGCGGGCTAGCCCGGGTCTGGACCTGGGGAC  
 TCCCCAGAAGGGCCGAGGGGAGGCTCCGGAGCGTGGCGGAAGGCGCACGGGATGCTG  
 AAGCTTTACTACGGCCTCTCGGAAGGGGAGGCGGGGACGCCCCGCGGGGCCGACCCC  
 CTGGACCCGACTGATCTGAACGGGGCGCACTTCGACCCGGAAGTTACCTAGACAAGCTG  
 CGTAGAGAGTGCCTCTGGCCAGTTGATGGACAGTGAACGGACATGGTGGCGCAGATC  
 CGGGCTTAGACAGCGACATGCAGACCCCTGGTCTATGAGAACAACAAGTTTCATCTCA  
 GCCACAGACACCATCCGGAAGATGAAGAACGATTTCGGAAGATGGAGGATGAGATGGAC  
 CGGCTGGCCACCAACATGGCAGTGATCACCGACTTCAGCGCTCGCATCAGCGCCACGCTG  
 CAGGACCGCCACGAGCGCATCACCAAGCTGGCAGGGGTCCACGCGCTGCTGCGGAAGCTG  
 CAGTTCCTCTTTGAGCTGCCCTCGCGCTCACCAAGTGGTGGAACTGGGCGCTATGGG  
 CAGGCGGTGCGCTACCAGGGCCGCGCAGGCCGTGCTGCAGCAGTACCAACACCTGCC  
 TCGTTCGCGCCATCCAGGACGACTGCCAGGTATCACGGCCGCTGGCCAGCAGCTG  
 CGGCAGCGCTTAGGGAGGGCGGCTCAGGCGCCCGGAGCAGGCAGAGTGCCTGGAGCTG  
 CTGCTGGCCCTGGCGAGCTGCGGAGGAGCTGTGCGAGGAGTTCCTGGCGCACGCCCGC  
 GGCCGGCTGGAGAAGGAGCTGAGAAACCTGGAGGCGGAGCTGGGGCCCTACCTCCGGCT  
 CCCGACGTGTTAGAGTTCACCGACCATGGAGGAGTGGCTTCGTGGCGGGCTCTGCCAG  
 GTGGCGGGCCCTACCAGGAGCTGTTTGCGGCCAGGGCCAGCAGGTGCCGAGAAGCTG  
 GCGGCCTTCGCCCCGAGCTGGGAGCCGCTATTTTGGCTGGTGGAGCGGGCTGGCG  
 CAGGAGCAGGGTGGTGGTGAACAACCTACTGCTGGTGGGGCGCTGGACCGCTTCCACCG  
 CGTTGCGGGCTCCCGGGCCCTGCTGGCCGCTGCCGGCTCGCAGACGCTGCCACGGAG  
 ATCGTGAACGAGTGGCCCGGAGCGCTGGGCCACCCTGCAGGTCTCCGGGGCGCC  
 TTCTGGGCTGCCGAGCAGTCCGCCAGGCGCTGGCAGCACCCTCGCGTGGCTGGGAAG  
 GAGGGCCCTGGCCTGGCCGAGTTGCTGGCCAATGTGGCCAGCTCCATCCTGAGCCACATT  
 AAGGCCTCTGCGCAGCAGTGCACCTTTTACCGCCAAAGAGGTGCTCTTCTCAAACAAG  
 CCTACTTCCGGGTGAGTTCTGCAGTCAGGGTGTCCGTGAGGGCCTCATCGTGGGCTTC  
 GTCCACTATGTGCCAGACGGCTCAGAGCTTCTGCGACAGCCCTGGGAGAAGGGGGT  
 GCCACACCACCTGCCCTGCTCCTGCTGCTCTCCCGCTCTGCCTGGACTACGAGACGGCC  
 ACCATCTCCTACATCCTCACTCTACTGATGAACAGTTTCTGGTGCAGGATCAGTCCCA  
 GTGACGCCGTGAGCACGCTGTGTGCAGAGGCCAGGAAACGGCGCGGGCTGTGACC  
 CACTACGTGAAGGTGCAGGGCCTGGTCAATCACAGATGCTGCGCAAGAGCGTGGAGACT  
 CGGACTGGCTCAGCACTCTGGAGCCCGAATGTGCGGGCCGTCATGAAGCGGGTGGT  
 GAGGATACCACCGCCATCGACGTGCAGGTGGGGCTCCTGTACGAAGAGGGTGTTCGCAAG  
 GCCCAGAGCAGGACTCCAGCAAGAGGACTTTCTCCGTGTACAGCAGCTCTCGGCAGCAG  
 GGCCGCTACGCCCCAGCTATACCCCCAGTGCCCCGATGGACCAACCTCTTGAGCAAT  
 ATCCAGAAGCTATTCTCTGAACGTATTGATGTGTTTCCAGCCTGTGGAGTCAACAAGGTG  
 TCGGTGCTGACCGGCATCATCAAGATCAGCCTGAAGACGCTGTGGAGTGTGTGCGGCTG  
 CGCACCTTTGGGCGCTTCGGGCTGCAGCAGGTGCAAGTGGACTGCCACTTTCTGCAGCTC  
 TACTGTGGCGTTTTGTGGCCGACGAAGAACTCGTGCATTGCTGCTGGACGAAGTGGTG  
 GCCTGTGCTGCCCTGCGCTGCCAGACCCCTGTGCCATGGAGCCAGTGTGGTTGAGGTC  
 ATCTGCGAGCGGGCTAGGCGCAGCCGCTGCCATGCACCGGTCTGTCCCTGCACCCCATG  
 GCACCCAGGATCTGGTCTCGGTGGTCTTCCCCGAGGCAGGTGTGAGGACCGGCTAAT  
 AAACATGTGTGGCCTCCTCAA  
 AA

**Restriction Sites:** Please inquire

**ACCN:** NM\_013265

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>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.</p>
<b>Components:</b>	<p>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).</p>
<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_013265.2</a> , <a href="#">NP_037397.2</a>
<b>RefSeq Size:</b>	2546 bp
<b>RefSeq ORF:</b>	2349 bp
<b>Locus ID:</b>	738
<b>UniProt ID:</b>	<a href="#">Q9UID3</a>
<b>Cytogenetics:</b>	11q13.1
<b>Gene Summary:</b>	<p>This gene encodes a member of the vacuolar protein sorting-associated protein 51 family. The encoded protein is a component of the Golgi-associated retrograde protein complex which acts as a tethering factor for carriers in retrograde transport from the early and late endosomes to the trans-Golgi network. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the functional protein.</p>