

## Product datasheet for **SC112858**

### CXCL16 (NM\_022059) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CXCL16 (NM_022059) Human Untagged Clone
Tag:	Tag Free
Symbol:	CXCL16
Synonyms:	CXCLG16; SR-PSOX; SRPSOX
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112858 sequence for NM_022059 edited (data generated by NextGen Sequencing)

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ATGTCTGGGAGTCAGAGCGAGGTGGCTCCATCCCCGCAGAGTCCGCGGAGCCCCGAGATG
GGACGGGACTTGC GGCCCGGGTCCCGCGTGCTCCTGCTCCTGCTTCTGCTCCTGCTGGTG
TACCTGACTCAGCCAGGCAATGGCAACGAGGGCAGCGTCACTGGAAGTTGTTATTGTGGT
AAAAGAATTTCTTCCGACTCCCCGCCATCGGTTTCAGTTCATGAATCGTCTCCGAAACAC
CTGAGAGCTTACCATCGGTGTCTATACTACACGAGGTTCCAGCTCCTTTCTGGAGCGTG
TGTGGAGGCAACAAGGACCCATGGGTTTCAGGAATTGATGAGCTGTCTTGATCTCAAAGAA
TGTGGACATGCTTACTCGGGATTGTGGCCACCAGAAGCATTACTTCTACCAGCCCC
CCAATTTCTCAGGCCTCAGAGGGGGCATCTTCAGATATCCACACCCTGCCAGATGCTC
CTGTCCACCTTGAGTCCACTCAGCGCCCCACCCTCCCAGTAGGATCACTGTCTCCGGAC
AAAGAGCTCACTCGTCCCAATGAAACCACATTACACTGCGGGCCACAGTCTGGCAGCT
GGGCCTGAGGCTGGGGAGAACCAGAAGCAGCCGAAAAAATGCTGGTCCACAGCCAGG
ACATCAGCCACAGTGCCAGTCTGTGCCTCCTGGCCATCATCTTCATCCTCACCGCAGCC
CTTTCCTATGTGCTGTGCAAGAGGAGGAGGGGGCAGTCACCGCAGTCTCTCCAGATCTG
CCGTTTATTATACCTGTGGCACCTGACTCTAATACCTGA

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Clone variation with respect to NM\_022059.2  
306 g=>a



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_022059 unedited  
 TGCAATAGGTAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCAAGATTCC  
 TGGCCTTCCCTCGACGGAGCCGGGCCAGTGCGGGGGCGCAGGGCGCGGGAGCTCCACCT  
 CCTCGGCTTTCCCTGCGTCCAGAGGCTGGCATGGCGGGGCCGAGTACTGAAAGCACGGT  
 CGGGGCACAGCAGGGCCGGGGGTGCAGCTGGCTCGCGCTCCTCTCCGGCCCGCTCTC  
 TCCGGTCCCCGGCGAAAGCCATTGAGACACCAGCTGGACGTACGCGCCGGAGCATGTC  
 TGGGAGTCAGAGCGAGGTGGCTCCATCCCCGAGAGTCCGCGGAGCCCCGAGATGGGACG  
 GGACTTGCGGCCCGGTCCCGCTGCTCCTGCTCTGCTCTGCTGCTGCTGGTGTACCT  
 GACTCAGCCAGGCAATGGCAACGAGGGCAGCGTCACTGGAAGTTGTTATTGTGGTAAAAG  
 AATTTCTTCCGACTCCCCGCATCGGTTTCACTTCAATGAATCGTCTCCGAAACACCTGAG  
 AGCTTACCATCGGTGTCTATACTACACGAGGTTCCAGCTCCTTTCTGGAGCGTGTGTGG  
 AGGCAACAAGGACCCATGGGTTTCAAGGAATTGATGAGCTGTCTTGAATCTCAAAGAATGTGG  
 ACATGCTTACTCGGGATTGTGGCCACCAGAAGCATTACTTCTACCAGCCCCCAAT  
 TTCTCAGGCTCAGAGGGGCATCTTCCAGATATCCACACCCCTGCCAGATGCTTCTGT  
 CCACCTTGCAGTCCACTCAGCGCCACCCTCCAGTAGGATCACTGTCTCGGACAAAGA  
 CTACTCGTCCCATGAAACACCATTCCACTGCNGCCACAGTCTGGCAGCTGGGCCTGAGC  
 TGGGAGAACANAAACCCGGAAAAATGCTGGTCCCCAGCCAGACATACCAGTGCAGTC  
 CTGGGCTCCTGCCT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_022059 unedited  
 GTCCGCGCCGATTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTACACATGTTGT  
 CAGGGGTCACTCTCTTTTATTACACTTTTTGTAAGAATAAGCCACAGTTTACCCTCACAA  
 GCTTCCATTCTTGCTCAGGTATTAAGTCAGGTGCCACAGGTATATAATGAACCGGCAG  
 ATCTGGAGAGGACTGCGGTGACTGCCCTCCTTCTTGCACAGCACATAGGAAAGGGC  
 TGGCGTGAGGATGAAAATGATGGCCAGGAGGCACAGGACTGGCACTGTGGCTGATGTCCT  
 GGCTGTGGGACCAGCATTTTTTCCGGCTGCTTCTGGTTTTCCCAACCCTCAGGCCAAC  
 TGCCCACTGCGGCCGCACTGTGCTGGCGGCTCCTATGCGACCACTGAGCTCTCCGAC  
 CCAGGCCCGTGAATCTACTGGCACGGCGGCCCTATACGAAGTCCAGGTGCCCGGA  
 ACCCCCCGGCCACGGCGTACCCATTCTCCATACCACCCCACTACTGATCCCACCCAC  
 TCCGGCACTCACAAATCCACCCCTCCATCCCTCCACCCCTCCCTTACTATCACT  
 AACCTATTTCCCTTTCTCCCTTTCTCACCCTCCCAATTTACCCGCACTTTATCCCC  
 TCCCCAATCCCCCTTCCCTTATTTTACTCCCTAACCCCTCAATACCCTCCCTCT  
 CCCCATCCCCCTCCCCCTCCCCCGACCCCACTTCCCCCTGTACCAACC  
 ACCCTCCCCCTCTCAGTTCCACTCCTCCTCGCCCCCACTCCCCAGCATTCCACCC  
 TATATTCTCCCACTTCTTCTCACTCCCCCTGTCTCGCACTTACGCCTCTCC  
 TTACTCTTCCATATCCGCACCTTCTCTCTCTTATCAATCGAAATATACCTCCC  
 CCCATCCCG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_022059

**Insert Size:**

1190 bp

<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>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_022059.1</a> , <a href="#">NP_071342.1</a>
<b>RefSeq Size:</b>	2249 bp
<b>RefSeq ORF:</b>	822 bp
<b>Locus ID:</b>	58191
<b>UniProt ID:</b>	<a href="#">Q9H2A7</a>
<b>Cytogenetics:</b>	17p13.2
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
<b>Gene Summary:</b>	<p>Acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in pathophysiology such as atherogenesis (By similarity). Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.</p>