

## Product datasheet for **SC122697**

### OXA1L (NM\_005015) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OXA1L (NM_005015) Human Untagged Clone
Tag:	Tag Free
Symbol:	OXA1L
Synonyms:	OXA1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_005015 edited  
GGCACGAGGGGCAAATGGCGATGGGACTAATGTGCGGACGCCGGGAGCTTCTGCGCTTG  
CTACAGTCCGGGGTCCGGTCCACAGCGTCGAGGGCCCTCGCAATGGCTTGGGAAACCG  
CTGACCACAGGCTCCTATTCCCAGTAGCCCGTGCTGTGCTCGCCACACTACCTCTTC  
CTTGCGGCTTCCGGCCCCGAGCCTCAGTACCTCTGCTATCTCTTTGCAAGTCCAG  
GTTCAGGCCCTCCTGTTGTTGCTGCAACTCCCTACCCACAGCAGTACCTGAGGTGGCT  
TCTGGAGAGACTGCAGATGTAGTCCAACTGCTGCAGAGCAGAGCTTCGCTGAAGTGGG  
CTGGGGTACATACCCAGTGGGACTGATCCAGAAATTTACTGGAATTTATGCATGTTGAT  
CTGGGCTACCTTGGTGGGGGCCATTGCTGCATGTACAGTCTTGGCCGCTGCCTGATT  
TTTCTCTCATCGTGACGGGCCAGCGAGAGGCAGCCAGGATCCACAATCACTTGCCAGAG  
ATCCAGAAGTTTTCCAGTCGAATCAGAGAGGCCAAGTTAGCAGGAGACCATATTGAGTAT  
TACAAGGCTTCCCTCGGAGATGGCACTTTACCAGAAAAACATGGTATTAACCTCTATAAA  
CCTCTCATTCTCCCTGTGACTCAGGCCCAATCTTCATCTCCTTCTTATTGCTTTGAGA  
GAGATGGCCAACCTTCCCTGTGCCAGCCTGCAGACAGGTGGCCTCTGGTGGTTCCAGGAT  
CTCACGGTATCCGATCCCATCTACATATTACCACTGGCAGTCACTGCTACAATGTGGGCT  
GTTCTTGAGCTAGGTGCTGAGACAGGTGTGCAAAGTTCTGACCTTCAGTGGATGAGAAAT  
GTCATCAGAATGATGCCCTGATAACCTTGCCATAACCATGCATTTCCACAGGCAGTG  
TTCAGTACTGGCTCTCCTCAAATTTGTTTTCCCTGGTCCAAGTATCCTGTCTCCGGATT  
CCAGCAGTACGCACTGTACTTAAAATCCCCAGCGTGTGTACATGACCTGGACAATTA  
CCTCCACGGGAAGGCTTCTAGAGAGCTTCAAAAAAGGCTGGAAAAATGCTGAAATGACC  
CGTCAGCTGCGAGAGCGTGAACAACGCATGCGGAATCAGTTGGAGCTAGCAGCCAGGGGT  
CCTTTACGACAGACCTTTACCCACAACCCTCTCCTACAACCTGGAAAGGATAACCCTCCC  
AATATCCCTAGCAGCAGCAGCAAACCAAGTCAAAGTATCCCTGGCACGACACACTTGGC  
TGACTTATGTTCTGTGCGCATTCTGGCAGGAATTCTGTCTTTCAGAGACTCATCCTCAA  
AACAGACTTGACTGTGCTTGGCCAGTCTAGGAAGTGTGGCACACAGAGATGTT  
CATTTAAAAACGGATTTTCATGAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005015 unedited NNAAGTTCAAATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGGCAA ATGGCGATGGGACTAATGTGCGGACGCCGGGAGCTTCTGCGCTTGCTACAGTCCGGGCGT CGGGTCCACAGCGTCGCAGGGCCCTCGCAATGGCTTGGGAAACCCTGACCACACGGCTC CTATCCCAGTAGCCCCGTGCTGCTGTCGCCACACTACCTCTTCCTTGGGGCTTCCGGC CCCCGAGCCTCAGTACCTCTGCTATCTCTTTGCAGAAGTCCAGGTTCCAGGCCCTCTCT GTTGTTGCTGCAACTCCCTCACCCACAGCAGTACCTGAGGTGGCTTCTGGAGAGACTGCA GATGTAGTCCAACTGCTGCAGAGCAGACTTCGCTGAACTGGGGCTGGGGTCATACACC CCAGTGGGACTGATCCAGAATTTACTGGAATTTATGCATGTTGATCTGGGCCTACCTTGG TGGGGGGCCATTGCTGCATGTACAGTCTTTGCCCGCTGCCTGATTTTTCTCTCATCGTG ACGGGCCAGCGAGAGGCCAGCCAGGATCCACAATCACTTGCCAGAGATCCAGAAGTTTTCC AGTCGAATCAGAGAGGCCAAGTTAGCAGGAGACCATATTGAGTATTACAAGGCTTCTCG GAGATGGCACTTTACCAGANAAAACATGGTATTAACCTCTATAAACCTCTATTCTCCCT GTGACTCAGGCCCAATTTCTATCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT CCTGTGCCAGCCTGCAGACAGGTGGCCTCTGGGTGTTCCAGGATCTCACGGTATCCGAT CCCATCTACATATTACCACTGGCAGTCACTGCTACAATGTGGGGCTGGTCTTGGAGTAGG TGCTGAGACG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005015
<b>Insert Size:</b>	1482 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_005015.1</a> , <a href="#">NP_005006.1</a>
<b>RefSeq Size:</b>	1488 bp
<b>RefSeq ORF:</b>	1488 bp
<b>Locus ID:</b>	5018
<b>UniProt ID:</b>	<a href="#">Q15070</a>
<b>Cytogenetics:</b>	14q11.2
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Protein export

**Gene Summary:**

This gene encodes an evolutionarily conserved protein that is localized to the inner mitochondrial membrane. The encoded protein is essential for the translocation of the N-terminal tail of subunit 2 of cytochrome c oxidase, and is involved in the assembly of the cytochrome c oxidase and ATPase complexes of the mitochondrial respiratory chain. [provided by RefSeq, Jul 2016]