

## Product datasheet for **SC107995**

### Cytochrome b5 Outer Mitochondrial Membrane (CYB5B) (NM\_030579) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cytochrome b5 Outer Mitochondrial Membrane (CYB5B) (NM_030579) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytochrome b5 Outer Mitochondrial Membrane
Synonyms:	CYB5-M; CYPB5M; OMB5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_030579, the custom clone sequence may differ by one or more nucleotides

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ATGTCCGTTCAATGGCGACTGCGGAAGCTAGCGGCAGCGATGGGAAAGGCAGGAAGTCGAGACCTCAG
TCACCTATTACCGGTTGGAGGAGGTGGCAAAGCGCAACTCCTTGAAGGAAGTGTGGCTTGTGATCCATGG
GCGAGTCTACGATGTCACCCGCTTCCTCAACGAGCACCTGGAGGAGAAGAGGTTCTGCTGGAACAAGCT
GGTGTAGATGCAAGTAAAGCTTTGAAGATGTAGGACACTCTTCTGATGCCAGAGAAAATGCTAAAGCAGT
ACTACATTGGTGATATCCATCCGAGTGACCTTAAACCTGAAAGTGGTAGCAAGGACCCTTCAAAAAATGA
TACATGCAAAAGTTGCTGGGCATATTGGATTTTACCCATCATAGGCGCTGTTCTCTTAGGTTTCCTGTAC
CGCTACTACACATCGGAAAGCAAATCCTCCTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_030579 unedited</p> <p>CACTATATTTGTATCACGACTCACTATAGGGCGGCCGCGCAATTCGCACGAGGGTCCGGT  TCAATGGCGACTGCGGAAAGCTAGCGGCAGCGATGGGAAAGGGCAGGAAGTCGAGACCTCA  GTCACCTATTACCGGTTGGAGGAGGTGGCAAAGCGCAACTCCTTGAAGGAACTGTGGCTT  GTGATCCATGGGCGAGTCTACGATGTACCCGCTTCTCAACGAGCACCTGGAGGAGAA  GAGGTTCTGCTGGAACAAGCTGGTGTAGATGCAAGTGAAGCTTTGAAGATGTAGGACAC  TCTTCTGATGCCAGAGAAATGCTAAAGCAGTACTACATTGTGTGATATCCATCCGAGTGA  CCTTAAACCTGAAAGTGGTAGCAAGGACCCTTCAAAAAATGATACATGCAAAAAGTTGCTG  GGCATATTGGATTTTACCATCATAGGGCTGTTCTTCTTAGGTTTCTGTACCGCTACTA  CACATCGGAAAGCAAATCCTCCTGAGGAGGCTTGTGAAGTTAGAAAAGTCATCCACTT  TGGGGCGAAAAGTAGAGACTTGTGGGGGCTGCAGAAGTCCCTCTCCTTGAATCCTGC  CAGTTGCATTCTTCCCCTTGGACCAAGACCATTGGCCAGACATTACCTCAGATCTGAGA  CCAACGTTCTCCATCTTTCAGAGCCTTACTCCAAAGTACCTGCTCACTGTTCCGTGTTG  AACCATTGCCGGGCTTCTTCTTTTCACTGGGTTCTGCGCACCTTCAATTTTACAACCT  TTTGTCTTAAATTTATGGACATTGCTTTTTTGGAAAAAGCTGCTTCCACACTTTGTT  GCATATAAACATCCTTAAACAGGGCGCATCTTATGTTAAAGGTTATTTTTCTTTTTTTTT  AAGGAAATTTTTCAAACCTTCGGTTACGGTT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_030579 unedited</p> <p>GACAGGCACGCTTTATTCTAGTGTACGAGCTTTTCTTTCTTTTCTTTCTCTCGAAAA  AACACGCCAGCTATCTTTATCTCTCATGGGAAAAACAGAACAACCCACAAGTTGGAGTC  ACGGAGATAAAATACAGATGAAATGGAAAACGGTCTGTTGTCATGAACTCTCACTTTCAA  ATACCATTTTATGGAAGTTACTTTACTGCGGGGCAAACAGAAGGCCATGCTGGAGTCT  CTTACTTTTGGAAAATGGAGAATCAAAAATTTGCTAATCAACAAACAAAAAGGAGGGAA  ACTCCTTGGTAAAGCTCTACAAACATAATTATACATTTATTTTTACCAATAAAAGATAG  CTAGGGTAGAAAAACAGATGGTTAGAAACTGGTCCAAACAAAGTGAAGCTTTGGTG  CCTTCTCTAAACTCCTATCCTGTTTCTTTAGAAAACACCAAGTTTCTAAAGAAAGATTAC  TCTGAATTCACCAAGGTTCTATCACCCCAATTCATCCCTACCTTCCACCCCAAGACAC  GAAAGGGCCATGTAGTTTTTGTCCGGCACCACTTGGGAAGGGGCTGGGCTCAAGGGCTG  GGAAGAGTACCTGCTGCCCTAGCTTGAAGGGAGGAGGTGGCCACACCACTTCTTTGTAT  TTTTATCACGCACATAAAAGAACCAAAACCAATTTGGCAGCTGTAAGTTTAAATAAGCGCAA  ACCTTTACTTTAGGAATTAACCCCTATGATAAAAAAGAAATAATCACATTTTTTTTT  TTATACAGATAGGGGCTCGCTTGTGCCCAGCCTGGTCTGAACCCTTGCCTTAGCGAT  CTTCCACCTTGGCTCCAATGGCAGGATTACAGCCCAGCCACCACTACCTTATCAA  AATTTTTAAAAATATTACTCAAAAAAGAGGCAAATAAACCTTCAACCTCACTGCCCCCTC  TTAAAATGCAAAATGCATCAAAC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_030579
<b>Insert Size:</b>	1820 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_030579.1</a> , <a href="#">NP_085056.1</a>
<b>RefSeq Size:</b>	4286 bp
<b>RefSeq ORF:</b>	441 bp
<b>Locus ID:</b>	80777
<b>UniProt ID:</b>	<a href="#">O43169</a>
<b>Cytogenetics:</b>	16q22.1
<b>Domains:</b>	heme_1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Cytochrome b5 is a membrane-bound hemoprotein functioning as an electron carrier for several membrane-bound oxygenases.[UniProtKB/Swiss-Prot Function]