

## Product datasheet for SC110411

### Ceramide synthase 2 (CERS2) (NM\_181746) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ceramide synthase 2 (CERS2) (NM_181746) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ceramide synthase 2
Synonyms:	L3; LASS2; SP260; TMSG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC110411 representing NM_181746. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCCAGACCTTGATGATTACTTCTGGTGGGAACGCTCTGGCTGCCTGTGAACCTGACCTGGGCC
GATCTAGAAGACCGAGATGGACGTGTCTACGCCAAAGCCTCAGATCTCTATACGCTGCCCTGGCC
TTGCTCTTCTCATCGTTCGATACTTCTTTGAGCTGTACGTGGCTACACCACTGGCTGCCCTTTGAAC
ATAAAGGAGAAAACCTCGGCTGCCGGCACCTCCCAACGCCACCTTGAACATTTCTACCTGACCAGTGGC
AAGCAGCCCAAGCAGGTGAAGTAGAGCTTTGTCCCGGCAGAGCGGGCTCTCTGGCCGCCAGGTAGAG
CGTTGGTTCGGTCCGCCGCAACCAGGACCGGCCAGTCTCCTCAAGAAGTCCGAGAAGCCAGCTGG
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GACATGAAGAAAGTTTGGGAGGGATATCCCATACAGAGCACTATCCCTTCCCAGTATTGGTACTACATG
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GAACAGATCATCCACCATGTGGCCACCATTCTCATCAGCTTTTCTGGTTTGCCAATTACATCCGA
GCTGGGACTCTAATCATGGCTCTGCATGACTCTCCGATTACCTGCTGGAGTCAGCCAAGATGTTAAC
TACGCGGGATGGAAGAACACCTGCAACAACATCTTCATCGTCTTCGCCATTGTTTTATCATCACC CGA
CTGGTCATCCTGCCCTTCTGGATCCTGCATTGCACCCTGGTGTACCACTGGAGCTCTATCCTGCCCTC
TTTGGCTATTACTTCTTCAATTCATGATGGGAGTTCTACAGCTGCTGCATATCTTGGGCTACCTC
ATTTTGGCATGGCCACAAGTTCATAAAGCTGAAAGCTGGTAGAAGATGAACGCAGTGACCGGGAAGAA
ACAGAGAGCTCAGAGGGGGAGGAGGCTGCAGCTGGGGGAGGAGCAAGAGCCGCCCTAGCCAATGGC
CACCCCATCCTCAATAACAACCATCGTAAGAATGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Chromatograms: [https://cdn.origene.com/chromatograms/ja3760\\_e09.zip](https://cdn.origene.com/chromatograms/ja3760_e09.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_181746
<b>Insert Size:</b>	1143 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>	<u><a href="#">NM_181746.1</a></u>
<b>RefSeq Size:</b>	2544 bp
<b>RefSeq ORF:</b>	1143 bp
<b>Locus ID:</b>	29956
<b>UniProt ID:</b>	<u><a href="#">Q96G23</a></u>
<b>Cytogenetics:</b>	1q21.3
<b>Protein Families:</b>	Transcription Factors, Transmembrane
<b>MW:</b>	44.9 kDa
<b>Gene Summary:</b>	<p>This gene encodes a protein that has sequence similarity to yeast longevity assurance gene 1. Mutation or overexpression of the related gene in yeast has been shown to alter yeast lifespan. The human protein may play a role in the regulation of cell growth. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.</p>