

Product datasheet for **SC320603**

Ceramide synthase 2 (CERS2) (NM_022075) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ceramide synthase 2 (CERS2) (NM_022075) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ceramide synthase 2
Synonyms:	L3; LASS2; SP260; TMSG1
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_022075.3
 GCCTCGGGCCTCGGAGCAACCACCCGAGCAGACGGAGTACACGGAGCAGCGGCCCGGC
 CCCGCCAACGCTGCCGCCGGATGCTCCAGACCTTGATGATTACTTCTGGTGGGAACGT
 CTGTGGCTGCCTGTAACCTTGACCTGGGCCGATCTAGAAGACCGAGATGGACGTGTCTAC
 GCCAAAGCCTCAGATCTCTATATCACGCTGCCCTGGCCTTGCTTCTCCTCATCGTTTCA
 TACTTCTTTGAGCTGTACGTGGCTACACCACTGGCTGCCCTTTGAACATAAAGGAGAAA
 ACTCGGCTGCGGGCACCTCCCAACGCCACCTTGAACATTTCTACCTGACCAGTGGCAAG
 CAGCCCAAGCAGGTGGAAGTAGAGCTTTTGTCCCGGCAGAGCGGGCTCTCTGGCCGCCAG
 GTAGAGCGTTGGTTCCGTGCGCCGCCAACCAGGACCGGCCAGTCTCCTCAAGAAGTTC
 CGAGAAGCCAGCTGGAGATTACATTTTACCTGATTGCCTTATTGCCGGCATGGCCGTC
 ATTGTGGATAAACCCCTGGTTCTATGACATGAAGAAAGTTGGGAGGGATATCCCATACAG
 AGCACTATCCCTCCAGTATTGGTACTACATGATTGAACTTTCCTTCTACTGGTCCCTG
 CTCTTCAGCATTGCTCTGATGTCAAGCGAAAGGATTTCAAGGAACAGATCATCCACCAT
 GTGGCCACCATCATTCTCATCAGCTTTTCTGGTTTGCCAATTACATCCGAGCTGGGACT
 CTAATCATGGCTCTGCATGACTTTCGATTACCTGCTGGAGTCAGCCAAGATGTTTAAAC
 TACGCGGGATGGAAGAACACCTGCAACAACATCTTCATCGTCTTCGCCATTGTTTTATC
 ATCACCCGACTGGTCATCCTGCCCTTCTGGATCCTGCATTGCACCCTGGTGTACCCACTG
 GAGCTCTATCCTGCCTTCTTTGGCTATTACTTCTTCAATTCCATGATGGGAGTTCTACAG
 CTGCTGCATATCTTCTGGGCCTACCTCATTTTGCGCATGGCCACAAGTTCATAACTGGA
 AAGCTGGTAGAAGATGAACGCAGTGACCGGGAAGAAACAGAGAGCTCAGAGGGGGAGGAG
 GCTGCAGCTGGGGAGGAGCAAAGACCGGCCCTAGCCAATGGCCACCCCATCTCAAT
 AACCAACATCGTAAGAATGACTGAACCATTATTCAGCTGCCTCCAGATTAATGCATAA
 AGCCAAGGAACCTCCCTGCTCCCTGCGCTATAGGGTCACTTTAAGCTCTGGGGAAAAAGG
 AGAAAGTGAGAGGAGAGTTCTCTGCATCCTCCCTCCTTGCTTGTACCCAGTTGCCTTTA
 AACCAAATTTAACCAGCCTATCCCAAGGTAGGGGGACGTTGGTTATATTCTGTTAGAGG
 GGGACGGTCGTATTTTCTCCCTACCCGCCAAGTCATCCTTTCTACTGCTTTTGAGGCC
 TCCCTCAGCTCTCTGTGGGTAGGGGTTACAATTCACATTCCTTATTCTGAGAATTTGGCC
 CCAGCTGTTTGCCTTTGACTCCCTGACCTCCAGAGCCAGGGTTGTGCCTTATTGTCCCAT
 CTGTGGCCCTCATTCTGCCAAAGCTGGACCAAGGCTAACCTTTCTAAGCTCCCTAATTG
 GGCCAGAAACCAAGCTGAGCTTTTAACTTTCTCCCTCTATGACACAAATGAATTGAGGG
 TAGGAGGAGGGTGCACATAACCCTTACCCTACCTCTGCCAAAAAGTGGGGCTGTACTGG
 GACTGCTCGGATGATCTTTCTTAGTGCTACTTCTTTCAGCTGTCCCTGTAGCGACAGGT
 CTAAGATCTGACTGCCTCCTTTCTGCGCTCTTCCCTTCCCTCTTCTCTTACGCTAG
 GCTAGCTGGTTTGGAGTAGAATGGCAACTAATTCTAATTTTTATTATTAATTTGGG
 GTTTTGGTTTTAAAGCCAGAATTACGGCTAGCACCTAGCATTTCAGCAGAGGGACCATTT
 TAGACCAAAATGTACTGTTAATGGGTTTTTTTTTAAAAATAAAAGATTAATAAAAAAT
 ATTAATAAAAACATGGCAATAAGTGTGAGACTATTAGGAATTGAGAAGGGGGATCAACTA
 AATAACGAAGAGAGTCTTTCTTAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_022075

OTI Disclaimer: 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).

OTI Annotation: 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.

Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_022075.3</u> , <u>NP_071358.1</u>
RefSeq Size:	2465 bp
RefSeq ORF:	1143 bp
Locus ID:	29956
UniProt ID:	<u>Q96G23</u>
Cytogenetics:	1q21.3
Protein Families:	Transcription Factors, Transmembrane
Gene Summary:	<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 (2) uses an alternate splice site in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>