

## Product datasheet for **SC320766**

### CLN8 (NM\_018941) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLN8 (NM_018941) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLN8
Synonyms:	C8orf61; EPMR; TLCD6
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\_018941.2  
 GGCACGAGGGCCAAGCGCAGGGAGCCGGCTGAGTGGCAGCCCAGATTGAAGATGGATAC  
 GTGACAATCCCAGGGACCCTGCACTGACTTCATTTCTTAGACAAGACACAGTGTAGGG  
 CCCGGCCCGTGTGGCCCCAGGACTCCTTTGGAATATAGCTGTGGACAATGAATCCTGCG  
 AGCGATGGGGGCACATCAGAGAGCATTTTTGACCTGGACTATGCATCCTGGGGATCCGC  
 TCCACGCTGATGGTCGCTGGCTTTGTCTTCTACTTGGCGTCTTTGTGGTCTGCCACCAG  
 CTGTCTCTTCCCTGAATGCCACTTACCGTTCTTTGGTGGCCAGAGAGAAGGTCTTCTGG  
 GACCTGGCGGCCACGCGTGCAGTCTTTGGTGTTTACAGACACAGCCGACGGCCTGTGGCT  
 CTGCTGGGGGACCCTGTGCTGCATGCCGACAAGCGCGTGGCCAGCAGAAGTGGTCTGG  
 TTTACATCACGACAGCAACGGGATTCTTTTGCTTTGAAAATGTTGCAGTCCACCTGTCC  
 AACTTGATCTTCCGGACATTTGACTTGTCTGGTTATCCACCATCTCTTGCCTTTCTT  
 GGGTTTCTTGGCTGCTTGGTCAATCTCCAAGCTGGCCACTATCTAGCTATGACCACGTTG  
 CTCCTGGAGATGAGCACGCCCTTACCTGCGTTTCTGGATGCTCTTAAAGGCGGGCTGG  
 TCCGAGTCTCTGTTTTGGAAGCTCAACCAGTGGCTGATGATTACATGTTTCACTGCCGC  
 ATGTTTAACTACCACATGTGGTGGGTGTTTCTGGCACTGGGACGGCCTGGTCAGC  
 AGCCTGTATCTGCCTCATTTGACACTGTTCTTGTGCGACTGGCTCTGTTACGCTAATC  
 ATTAATCCATATTGGACCATAAGAAGACTCAGCAGCTTCTCAATCCGGTGGACTGGAAC  
 TTCGCACAGCCAGAAGCCAAGAGCAGGCCAGAAGGCAACGGGCAGCTGCTGCGGAAGAAG  
 AGGCCATAGCTGCTCCAGCCGGGCTCCGGGGCGGCAGAGACTGGCACACCGATTCTG  
 GGAAGCCCCGGAATGATGGCTTTTGAATTAATGAGGCAGTGAATGTTTTGTGTTACTT  
 CTAAGGAAAATAACTTTCTTTCGCATTAGTATTAATTTGAAGTAGCTACAAAGTAT  
 TTTTAAGAAATTAATAATTTTATGACTGTCTGGCAGGCTCTGTAGTTTAGCCGCGCCGA  
 CCGTGTCAAGCATCTAGGAGAGGAGTCCATGGTGTCCAGGCATCGGGGCGTCACACTGT  
 TGAGGAGTGGGGTGGCTTTGAATGCTGGAAATGGCTTCATAGTGAAGTGCCTCCACAGG  
 GCGGGTGGGTACGCGTTGACTCTTCCAGCTGCACACTCATATGCCGTGTGTTATTCA  
 GAAGTCACATTCTTTTCAGTTGGAGAGAATTGGGCTAAGATAGAAAATAACATGATTTGT  
 TCCTTATTAAGTTTCCAGCGTATGAAATTCTAAGCTGGGTGGGGTGGCTCACACCCGA  
 CGTAATCCAGCACGTTGGGAGGCCGAGGCAGGTGGATCACTTGAGGCCAGGAGTTCCAG  
 ACCAGCCTGGTCAAGATGGTGAACCCCATCTCTACTAAAATTACAAAAATTAGCCGGGT  
 GTCGTGGCACACCTGTAATCCAGCTATTTGGGAGGCCAAGGCAGGAGAATTGCCTGA  
 ACCCGGGAGGCGGAGTTGCAGTGAAGTGCAGTGCACCACTGCACTCCAGCACTCCAGC  
 CTGGGTGACGGAGCAAGACTCTCTCAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_018941

**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).

<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>NM_018941.2, NP_061764.2</u>
<b>RefSeq Size:</b>	4817 bp
<b>RefSeq ORF:</b>	861 bp
<b>Locus ID:</b>	2055
<b>UniProt ID:</b>	<u>Q9UBY8</u>
<b>Cytogenetics:</b>	8p23.3
<b>Domains:</b>	TLC
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	This gene encodes a transmembrane protein belonging to a family of proteins containing TLC domains, which are postulated to function in lipid synthesis, transport, or sensing. The protein localizes to the endoplasmic reticulum (ER), and may recycle between the ER and ER-Golgi intermediate compartment. Mutations in this gene are associated with a disorder characterized by progressive epilepsy with cognitive disabilities (EPMR), which is a subtype of neuronal ceroid lipofuscinoses (NCL). Patients with mutations in this gene have altered levels of sphingolipid and phospholipids in the brain. [provided by RefSeq, Jul 2017]