

## Product datasheet for **SC123740**

### CLN8 (BC007725) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLN8 (BC007725) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLN8
Synonyms:	C8orf61; ceroid-lipofuscinosis, neuronal 8; ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation); EPMR; FLJ39417
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for BC007725 edited  
 GCCAAGCGCAGGGAGCCCGGCTGAGTGGCAGCCAGATTGAAGATGGATACGTGACAATC  
 CCAGGGACCGCTGCACTGACTTCATTTCCCTTAGACAAGACACAGTGTAGGGCCCGGCCCG  
 TGTTGGCCCCAGGACTCCTTTGGAATATAGCTGTGGACAATGAATCCTGCGAGCGATGGG  
 GGCACATCAGAGAGCATTGTTGACCTGGACTATGCATCCTGGGGATCCGCTCCACGCTG  
 ATGGTCGCTGGCTTTGTCTTCTACTTGGCGCTTTGTGGTCTGCCACCAGCTGTCTCT  
 TCCCTGAATGCCACTTACCGTTCTTTGGTGGCCAGAGAGAAGTCTTCTGGGACGTGGCG  
 GCCACGCGTGCAGTCTTTGGTGTTCAGAGCACAGCCGACGGCCTGTGGGCTCTGCTGGGG  
 GACCCTGTGCTGCATGCCGACAAGGCGCGTGGCCAGCAGAACTGGTGTGGTTTACATC  
 ACGACAGCAACGGGATTCTTTGCTTTGAAAATGTTGCAGTCCACCTGTCCAACCTGATC  
 TTCCGGACATTTGACTTGTCTTGGTTATCCACCATCTCTTTGCCTTTCTGGGTTTCTT  
 GGCTGCTTGGTCAATCTCCAAGCTGGCCACTATCTAGCTATGACCACGTTGCTCCTGGAG  
 ATGAGCACGCCCTTACCTGCGTTTCTGGATGCTCTTAAAGGCGGGCTGGTCCGAGTCT  
 CTGTTTTGGAAGCTCAACCAGTGGCTGATGATTCACATGTTTCACTGCCGCATGGTTCTA  
 ACCTACCACATGTGGTGGGTGTGTTTCTGGCACTGGGACGGCCTGGTCAGCAGCCTGAT  
 CTGCCTCATTTGACACTGTTCTTGTGCGACTGGCTCTGTTACGCTAATCATTAAATCCA  
 TATTGGACCCATAAGAAGACTCAGCAGTTCTCAATCCGGTGGACTGGAACCTCGCACAG  
 CCAGAAGCCAAGAGCAGGCCAGAAGGCAACGGGCAGCTGCTGCGGAAGAAGAGGCCATAG  
 CTGCTCCAGCCGGGGCTCCGGGGCGGCAGCAGAGCTGGCACACCGATTCTGGGAAGCCCC  
 GCGAATGATGGCTTTTGAATTAATGAGGCAGTGAATGTTTTGTGTTTACTTCTAAGGGAA  
 ATACTAACTTTCTTCGATTAGTATTAATTTTGAAGTAGCTACAAAGTATTTTTAAGAA  
 ATTATAATTTTATGACTGTCTGGCAGGCTCTGTCAAGTTAGCCGCGCCGGACCGTGTCAA  
 GCATCTAGGAGAGGAGTCCATGGTGTCCAGGCATCGGGGCGTCACACCTGTTGAGGAGTG  
 GGGTGGCTTTGAATGCTGGAAATGGCTTATAGTGAAGTGCCTCCACAGGGCGGGTGGG  
 TCAGCGTTGACTCTTCCAGCTGCACACTCATATGCCGTGTGCTTATTAGAAAGTCACA  
 TTCTTTTCAAGTTGGAGAGAATTGGGCTAAGATAGAAAATAACATGATTTGTTCTTATTA  
 AAGTTTCCAGCGTATGAAATTCTAAGCTGGGTGGGTGGCTCACACCCGACGTAATCCC  
 AGCACGTTGGGAGGCCGAGGCAGGTGGATCACTTGAAGCCAGGAGTTCGAGACCAGCCTG  
 GTCAAGATGGTGAACCCCATCTCTACTAAAATTACAAAATTAGCCGGGTGCTGTTGGCA  
 CACACCTGTAATCCAGCTATTTGGGAGGCCAAGGCAGGAGAATTGCCTGAACCCGGGAG  
 GCGGAGGTTGAGTGTGAGTGTGAGTGTGACCACTGCACTCCAGCACTCCAGCCTGGGTGAC  
 GGAGCAAGACTCTCTCTCAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for BC007725 unedited  
 AGCCCGGCTGAGTGGCAGCCAGCTTGAAGCAGGCTACGTGACAATCCCAGGGACCGCCG  
 CACTGACTTCATTTCTTAGACAAGACACCGTGTAGGGCCCGGCCCGTGTGGCCCCAGG  
 ACTCCTTTGGAATATGCCGTGGACAATGAACCCTGCGAGCGATGGGGGCACATCAGAAAG  
 CATTTTTGACCTGGACAATGCATCCTGGGGATCCGCTCCACGCTGATGGTCGCTGGCTT  
 TGTCTTACTTGGCGTCTTTGTGGTCTGCCACCAGCTGTCTCTTCTCCCTGAATGCC  
 ACTTACCGTTCTTTGGTGGCCAGAGAGAAGTCTTCTGGGACCTGGCGGCCACCGTGGCC  
 AGTCTTTGGTGTTCAGAGCACAGCCGACGGCCTGTGGGCTCTTCTGGGGACCTGTGCT  
 GCATGCCGACAAGGCGCGTGGCCAGCAGAACTGGTGTGTTTACATCAGCAGCAAC  
 GGGATTCTTTGCTTTGAAAATGTTGCAGTCCACCTGTCCAACCTGATCTTCCGGACATT  
 TGACTTGTCTTGGTTATCCACCATCTCTTTGCCTTTCTTGGGTTTCTTGGCTGCTTGGT  
 CAATCTCCAAGCTGGCCACTATCTAGCTATGACCACGTTGCTCCTGGAGATGAGCACGCC  
 CTTTACCTGCGTTTCTGGATGCTCTTAAAGGCGGGCTGGTCCGAGTCTCTGTTTTGGAA  
 GCTCAACCAGTGGCTGATGATTCACATGTTTCACTGCCCGCATGTTTACCTACCCATGT  
 GGTGGGNNGTGTTCTTGCATTTGGACGCTGNTCAGCAGCCTGTATCTGCCTCATTTG  
 AACTGTTCTTTGTTGACTGCTGCTTACGCTAATCATTAAATCCATATTGNACCCATN  
 AGAAGACTCANCAGCTTCTCATT

**Restriction Sites:** Please inquire

<b>ACCN:</b>	BC007725
<b>Insert Size:</b>	1846 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="#">BC007725.2</a> , <a href="#">AAH07725.1</a>
<b>RefSeq Size:</b>	1837 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	2055
<b>Cytogenetics:</b>	8p23.3
<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]