

Product datasheet for **SC113338**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113338 sequence for NM_018941 edited (data generated by NextGen Sequencing)

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ATGAATCCTGCGAGCGATGGGGGCACATCAGAGAGCATTTTTGACCTGGACTATGCATCC
TGGGGGATCCGCTCCACGCTGATGGTCGCTGGCTTTGTCTTCTACTTGGGCGTCTTTGTG
GTCTGCCACCAGCTGTCTTCCCTGAATGCCACTTACCGTTCTTTGGTGGCCAGAGAG
AAGGTCTTCTGGGACCTGGCGGCCACGCGTGCAGTCTTTGGTGTTCAGAGCACAGCCGCA
GGCCTGTGGGCTCTGCTGGGGGACCCTGTGCTGCATGCCGACAAGGCGCGTGGCCAGCAG
AACTGGTGTGGTTTACATCACGACAGCAACGGGATTCTTTGCTTTGAAAATGTTGCA
GTCCACCTGTCCAATTGATCTTCGGACATTTGACTTGTTCGGTTATCCACCATCTC
TTTGCCTTTCTTGGGTTTCTTGGCTGCTTGGTCAATCTCCAAGCTGGCCACTATCTAGCT
ATGACCACGTTGCTCCTGGAGATGAGCACGCCCTTTACCTGCGTTTCTGGATGCTCTTA
AAGGCGGCTGGTCCGAGTCTCTGTTTTGGAAGCTCAACCAAGTGGCTGATGATTCACATG
TTTCACTGCCGCATGGTTCTAACCTACCACATGTGGTGGGTGTGTTTCTGGCACTGGGAC
GGCCTGGTCCAGCAGCCTGTATCTGCCTCATTTGACACTGTTTCTTGTCCGACTGGCTCTG
CTTACGCTAATCATTAAATCCATATTGGACCCATAAGAAGACTCAGCAGCTTCTCAATCCG
GTGGACTGGAACCTTCGCACAGCCAGAAGCCAAGAGCAGGCCAGAAGGCAACGGGCAGCTG
CTGCGGAAGAAGAGGCCATAG
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Clone variation with respect to NM_018941.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018941 unedited AATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGTCAGTGACTGCCGGGAGT CCTGCANGGGCNTTNNCCGCCAAGCGCAGGGAGCCCGGCTGAGTGGCAGCCCAGATTGA AGATGGATACGTGACAATCCCAGGGACCGCTGCACTGACTTCATTTCTTAGACAAGACA CAGTGTAGGGCCCGCCCGTGTGGCCCCAGGACTCCTTTGGAATATAGCTGTGGACAAT GAATCCTGCGAGCGATGGGGGCACATCAGAGAGCATTTTTGACCTGGACTATGCATCCTG GGGGATCCGCTCCACGCTGATGGTCGCTGGCTTTGTCTTCTACTTGGGCGTCTTTGTGGT CTGCCACCAGCTGTCTCTTCCCTGAATGCCACTTACCGTTCTTTGGTGGCCAGAGAGAA GGTCTTCTGGGACCTGGCGGCCACGCGTGCAGTCTTTGGTGTTCAGAGCACAGCCGAGG CCTGTGGGCTCTGCTGGGGACCCTGTGCTGCATGCCGACANGGCGCTGGCCAGCAGAAC TGGTGCTGGTTTACATCACGACAGCAACGGGATTTCTTTTGTGTTGAAATGTTGCAGTCC ACCTGTCCAACCTGATCTCCGGACATTGACTTGGTTCTGTTATCCACCATCTCTTTGC CTTTCTGGGGTTCCTGCTGGCTGGTCAATCTCCAGCTTGCCACTAATTAGTTATGACAA CGGGCTTCTGAGATGAGCACGCCCTTTACTTGCCTTTCTGGAG
Restriction Sites:	NotI-NotI
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).
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_018941.2, NP_061764.2</u>
RefSeq Size:	4817 bp
RefSeq ORF:	861 bp
Locus ID:	2055
UniProt ID:	<u>Q9UBY8</u>
Cytogenetics:	8p23.3
Domains:	TLC
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

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]