

## Product datasheet for **SC106249**

### CLN3 (AF077965) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLN3 (AF077965) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLN3
Synonyms:	BTS; JNCL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AF077965, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGGCTGTGCAGGCTCGCGCGGCGCTTTTCGGATTCCGAGGGGGAGGAGACCGTCCCGGAGCCCC
GGCTCCCTCTGTTGGACCATCAGGGCGCGCATTGGAAGAACGCGGTGGGCTTCTGGCTGCTGGGCCTTTG
CAACAACCTCTCTTATGTGGTGATGCTGAGTGCCGCCACGACATCCTTAGCCACAAGAGGACATCGGGA
AACCAGAGCCATGTGGACCCAGGCCAACGCCGATCCCCACAACAGCTCATCACGATTTGACTGCAACT
CTGTCTCTACGGCTGCTGTGCTCCTGGCGGACATCCTCCCACACTCGTCATCAAATTGTTGGCTCCTCT
TGGCCTTACCTGCTGCCCTACAGCCCCGGGTCTCGTCAGTGGGATTTGTGCTGCTGGAAGCTTCGTC
CTGGTTGCCTTTTCTATTCTGTGGGACCAGCCTGTGTGGCTCCAGCTCCAGCCTCTCCCTTCGGGAAA
GGTGGACAGTGTCAAGGTCTGCTGTGGTACATTGTTCCCTTGGTCGTAGTTTACTTTGCCGAGTATTT
CATTAAACCAGGGACTTTTTGAACTCCTCTTTTTCTGGAACACTTCCCTGAGTCACGCTCAGCAATACCGC
TGGTACCAGATGCTGTACCAGGCTGGCGTCTTTGCCTCCCCTCTTCTCTCCGCTGCTGTGCGCATCCGTT
TCACCTGGGCCCTGGCCCTGCTGCAGATGGAGTCTCGCTCTGTTGCCAGGCTGGAATGTAG
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for AF077965 unedited</p> <pre>NNNGGTTCTCGAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGANAAGACCC TCATCCCTCCCCTGGGAGCCCCCTTTGGACTCTATGACCCCTGGACCCCTCGGGGGACCT GAACTTGATGCGATGGGAGGCTGTGCAGGCTCGCGGCGGCGCTTTTCGGATTCGAGGGG GAGGAGACCGTCCCGGAGCCCCGGCTCCCTCTGTTGGACCATCAGGGCGCGCATTGGAAG AACGCGGTGGGCTTCTGGCTGCTGGGCCCTTTGCAACAACCTCTCTTATGTGGTGATGCTG AGTGCCGCCACGACATCCTTAGCCACAAGAGGACATCGGGAAACAGAGCCATGTGGAC CCAGGCCCAACGCCGATCCCCACAACAGCTCATCACGATTTGACTGCAACTCTGTCTCT ACGGCTGCTGTGCTCCTGGCGGACATCCTCCCCAAGCTCGTCATCAAATTGTTGGCTCCT CTTGGCCTTACCTGCTGCCCTACAGCCCCGGGTTCTCGTCAGTGGGATTTGTGCTGCT GGAAGCTTCGTCCTGGTTGCCTTTTCTCATTCTGTGGGGACCAGCCTGTGTGGTGTGGTC TTGCTAGCATCTCATCAGGCCCTGGGGAGGTCACCTTCTCCTCACTGCCTTCTAC CCCAGGGCCGTGATCTCCTGGTGGTCTCANGGACTGGGGAGCTGGNNCTGCTGGGGG CCCCTGTCCCTACCTGGGCTCACCCAAGCCGGCTCTTCCCTCAGCAGACCCTGCTGTC CATGCTGGGTATCCCTGCCCTGTGCTGGCCAGCTATTTCTGGTGTCTCATCTCTCTGA AGCCCAGGACCTGGAGGGGAAGAAAAACAGAAAGCGCAACCCCGCACCCCTCATAAGA ACCGAGC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for AF077965 unedited</p> <pre>ATTCAGTTTTTTTTNTTTTTTTTTTTTCTGGGTAATAATCGCTTTATTCAAAGCATGAT GCCAGGAAAAAATCCCCAGTGGGAGACAATGGCTGGCCCCCTGCAAGGGAAAAACAAGG CTTCAGCCCTTCCCTACTCCCAGACCTGCCGGGAAGGCTGGGAGCACAGTTTCATGGAGGG TCTCTGGGGTGGGCTGGGTGTCTGACCTGTCCCTCTGCCACAGGTGAATGTGACTGTC GTCCTGAGGATCCCGAGTATCAGGAGAGCTGGCAGAGGAAGTCATGCAGAGGCAAAGCCA GGAGCCCCGACAGGGAGATCCCCAGTGTGTGAGAGATGCAGGTGGCCGCCATTGCAAACT CCCGGTGCTCATCACTGGTCTCCAGGGCGATGTTGTGGAAGGTGTTACGTAGGCTGCGC CTCCCAGGAGCCCTCATACAGAATGATCAGGAAGACGAGGTAGATGCTTGGCAGAAAGC CGAACCACACGTCTGCCAGCAGGAACACCAGGTTGAGGCACTGCAGCAGGGCCAGGGCCC AGGTGAAACGGATGCGACAGCAGCGGAGAGAATAGCGGGAGGCAAAGACGCCAGCCTGGT ACAGCATCTGGTACCAGCGGTATTGCTGAGCGTGACTCAGGGAAGTGTTCAGATAAAGA AGAGTTCANAAAGTCCCTGGTTAATGAAATACTCGGCAAAGTAACTACGACCAAGGGAA CAATGTACCACAGCAGACCCCTGGACTGTCCACCTTTCCCGAAAGGGAGAGCTGGANN CTGGACCTGGCTTCGACTCCAGGGCCCTCGNNTCCTATGAGGGGCTGCCGGGCTGCGCTC TCTGCTTCTT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AF077965
<b>Insert Size:</b>	1750 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="#">AF077965.1</a> , <a href="#">AAD51487.1</a>
<b>RefSeq Size:</b>	1109 bp
<b>RefSeq ORF:</b>	762 bp
<b>Locus ID:</b>	1201
<b>Cytogenetics:</b>	16p12.1
<b>Domains:</b>	CLN3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Lysosome
<b>Gene Summary:</b>	This gene encodes a protein that is involved in lysosomal function. Mutations in this, as well as other neuronal ceroid-lipofuscinosis (CLN) genes, cause neurodegenerative diseases commonly known as Batten disease or collectively known as neuronal ceroid lipofuscinoses (NCLs). Many alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]