

## Product datasheet for RC237713

### CLN3 (NM\_001286109) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CLN3 (NM\_001286109) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CLN3  
**Synonyms:** BTN1; BTS; JNCL  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237713 representing NM\_001286109  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGAGTGCCGCCACGACATCCTTAGCCACAAGAGGACATCGGAAACCAGAGCCATGCTGTGCTCC  
 TGGCGGACATCCTCCCCACTCGTCATCAAATGTTGGCTCCTTTGGCCTTCACTGCTGCCCTACAG  
 CCCCCGGTTCTCGTCAGTGGGATTTGTGCTGCTGGAAGCTTCGTCCTGGTTGCCTTTTCTATTCTGTG  
 GGGACCAGCCTGTGTGGTGTGGTCTTCGCTAGCATCTCATCAGGCCTTGGGGAGGTCACCTTCTCTCCC  
 TCACTGCCTTCTACCCAGGGCCGTGATCTCCTGGTGGTCCCTCAGGGACTGGGGAGCTGGGCTGTGGG  
 GGCCCTGTCTACCTGGGCCTCACCCAGGCCGGCCTCTCCCTCAGCAGACCCTGCTGTCCATGCTGGGT  
 ATCCCTGCCCTGCTGCTGGCCAGCTATTTCTTGTGCTCACATCTCCTGAGGCCAGGACCTGGAGGGG  
 AAGAAGAAGCAGAGAGCGCAGCCCGCAGCCCTCATAAGAACCAGGCCCGGAGTCGAAGCCAGGCTC  
 CAGCTCCAGCCTCTCCCTTCGGAAAGGTGGACAGTGTCAAGGGTCTGCTGTGGTACATTGTTCCCTTG  
 GTCGTAGTTTACTTTGCCGAGTATTTCAATAACCAGGGACTTTTGAACCTCTTTTCTGGAACACTT  
 CCCTGAGTCAGCTCAGCAATACCGCTGGTACCAGATGCTGACCAGGCTGGCGTCTTTGCCCTCCCGCTC  
 TTCTCTCCGCTGCTGTGTCATCCGTTTACCTGGGCCCTGGCCCTGCTGCAGTGCCTCAACCTGGTGTTC  
 CTGCTGGCAGACGTGTGGTTCCGGCTTTCTGCCAAGCATCTACCTCGTCTTCTGATCATTCTGTATGAGG  
 GGCTCCTGGGAGGCGCAGCCTACGTGAACACCTTCCACAACATCGCCCTGGAGACCAGTGTGAGCACCG  
 GGAGTTTGCAATGGCGGCCACCTGCATCTCTGACACACTGGGGATCTCCCTGTGGGGCTCCTGGCTTTG  
 CCTCTGCATGACTTCTCTGCCAGCTCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237713 representing NM\_001286109  
 Red=Cloning site Green=Tags(s)

MLSAAHDILSHKRTSGNQSHAVLLADILPTLVIKLLAPLGLHLLPYSRVLVSGICAAGSFVLVAFSHSV  
 GTSLCGVVFASISSGLGEVTFLLSLTAFYPRAVISWSSSGTGAGLLGALSYLGLTQAGLSPQOTLLSMLG  
 IPALLLASFYLLLTSPEAQDPGGEEEAESAARQPLIRTEAPESKPGSSSSLSLRERWTVFKGLLWYIVPL  
 VVVYFAEYFINQGLFELLFFWNTSLSHAQYRWYQMLYQAGVAFSRSSLRCCRIRFTWALALLQCLNLVF  
 LLADVWFGFLPSIYLVFLIILYEGLLGGAAYVNTFHNIALETSDHEHREFAMAATCISDTLGLISLGLLAL  
 PLHDFLCQLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

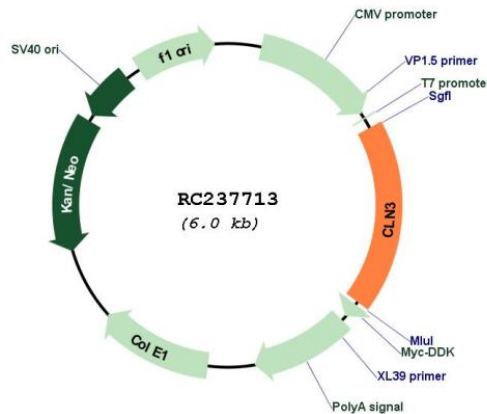
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001286109

<b>ORF Size:</b>	1080 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_001286109.2</a>
<b>RefSeq Size:</b>	1791 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	1201
<b>Cytogenetics:</b>	16p12.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Lysosome
<b>MW:</b>	39.6 kDa
<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]