

Product datasheet for **RC238090**

CLN3 (NM_001286104) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLN3 (NM_001286104) 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: >RC238090 representing NM_001286104
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGGCTGTGCAGGCTCGCGGGCGCCTTTTCGGATTCCGAGGGGGAGGAGACCGTCCCGGAGCCCC
 GGCTCCCTCTGTTGGACCATCAGGGCGCGCATTGGAAGAACGCGTGGGCTTCTGGCTGCTGGGCCCTTTG
 CAACAACCTCTCTATGTGGTGTGCTGAGTGCCGCCACGACATCCTTAGCCACAAGAGGACATCGGGA
 AACCAGAGCCATGCTGTGCTCCTGGCGGACATCCTCCCCACACTCGTCATCAAATGTTGGCTCCTCTTG
 GCCTTACCTGCTGCCCTACAGCCCCGGGTTCTCGTCAGTGGGATTTGTGCTGCTGGAAGCTTCGTCCT
 GTTTGCCTTTTCTCATTCTGTGGGGACAGCCTGTGTGGTGTGGTCTTCGCTAGCATCTCATCAGGCCTT
 GGGGAGGTCACCTTCTCCTCCTCACTGCCTTCTACCCAGGGCCGTGATCTCCTGGTGGTCTCAGGGA
 CTGGGGGAGCTGGGCTGCTGGGGCCCTGTCTACCTGGGCTCACCCAGGCCGGCCTCTCCCCTCAGCA
 GACCCTGCTGCCATGCTGGGTATCCCTGCCCTGCTGCTGGCCAGCTATTCTTGTGTGCTCACATCTCT
 GAGGCCAGGACCCTGGAGGGGAAGAAGAAGCAGAGAGCGCAGCCCGCAGCCCCCATAAGAACCAGGAG
 CCCCAGGAGTGAAGCCAGGCTCCAGCTCCAGCTCCTCCCTTCGGGAAAGGTGGACAGTGTCAAGGGTCT
 GCTGTGGTACATTGTCCCTTGGTGTAGTTTACTTTGCCGAGTATTTTATTAAACCAGGGACTTTTTGAA
 CTCTCTTTTTCTGAAACACTTCCCTGAGTCACGCTCAGCAATACCGCTGGTACCAGATGCTGTACCAGG
 CTGGCGTCTTTGCCTCCCGCTTCTCTCCGCTGCTGTGCATCCGTTTACCTGGGCCCTGGCCCTGCT
 GCAGTGCCTCAACCTGGTGTCTCTGCTGGCAGACGTGTGGTTTCGGCTTTCTGCCAAGCATCTACCTCGT
 TTCCTGATCATTCTGTATGAGGGGCTCCTGGGAGGCGCAGCCTACGTGAACACCTTCCACAACATCGCCC
 TGGAGACCAGTGTGAGCACCAGGAGTTGCAATGGCGGCCACCTGCATCTGTACACACTGGGGATCTC
 CCGTGTGGGGCTCCTGGCTTGCCTCTGCATGACTTCTCTGCCAGCTCTCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238090 representing NM_001286104
Red=Cloning site Green=Tags(s)

MGGCAGSRRRFSDSEGEETVPEPRLPLLDHQGAHWKNAVGFWLLGLCNNFSYVVMLSAAHDILSHKRTSG
 NQSHAVLLADILPTLVIKLLAPLGLHLLPYSRVLVSGICAAGSFVLVAFSHSVGTSLCGVVFASISSGL
 GEVTFLLSLTAFYPRAVISWSSGTGGAGLLGALSYLGLTQAGLSPQQTLLSMLGIPALLLASYFLLLTSP
 EAQDPGGEEEAESAARQPLIRTEAPEKPGSSSLSLRERWTVFKGLLWYIVPLVVVYFAEYFVYINQGLFE
 LLFFWNTSLSHAQYRWYQMLYQAGVFASSSLRCCRIRFTWALALLQCLNLVFLLDVWFGLPSIYLV
 FLIILYEGLLGGAAVNTFHNIALETSDEHREFAMAATCISDTLGISLSGLLALPLHDFLCQLS

TRTRPLEQKLISEEDLANDILDYKDDDDKV

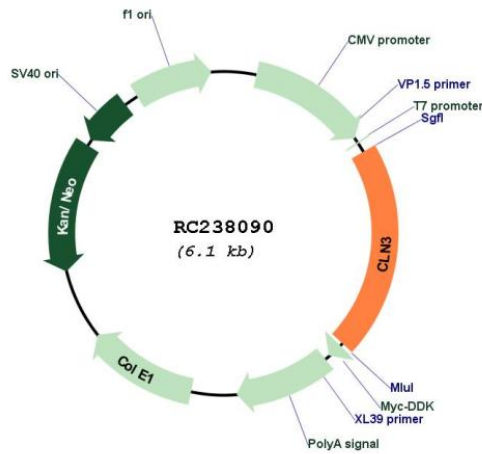
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286104

ORF Size:	1242 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001286104.2
RefSeq Size:	1840 bp
RefSeq ORF:	1245 bp
Locus ID:	1201
UniProt ID:	Q13286
Cytogenetics:	16p12.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome
MW:	45.6 kDa
Gene Summary:	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]