

Product datasheet for **RC237882**

CLN3 (NM_001286110) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLN3 (NM_001286110) 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: >RC237882 representing NM_001286110
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGAGTGCCGCCACGACATCCTTAGCCACAAGAGGACATCGGAAACCAGAGCCATGTGGACCCAG
GCCAACGCCGATCCCCACAACAGCTCATCACGATTTGACTGCAACTCTGTCTCTACGGCTGCTGTGCT
CCTGGCGGACATCTCCACACTCGTCATCAAATTTGTTGGCTCCTCTTGGCCTTCACTGCTGCCCTAC
AGCCCCGGGTTCTCGTCAGTGGGATTTGTGCTGCTGGAAGCTTCGTCTGGTTGCCTTTTCTATTCTG
TGGGGACAGCCTGTGTGGTGTGGTCTTCGCTAGCATCTCATCAGGCCTTGGGGAGGTCACCTTCTCTC
CCTCACTGCCTTCTACCCAGGGCCGTGATCTCCTGGTGGTCTCAGGGACTGGGGAGCTGGGCTGCTG
GGGGCCCTGTCTACCTGGGCTCACCCAGGCCGCTCTCCCTCAGCAGACCTGCTGTCCATGCTGG
GTATCCCTGCCCTGTGCTGGCCAGCTATTTCTTGTGCTCACATCTCCTGAGGCCAGGACCCTGGAGG
GGAAGAAGAAGCAGAGAGCGCAGCCCGGAGCCCTCATAAGAACCGAGGCCCGGAGTCGAAGCCAGGC
TCCAGCTCCAGCCTCTCCCTTCGGAAAGGTGGACAGTGTCAAGGGTCTGCTGTGGTACATTGTCCCT
TGGTCTAGTTTACTTTGCCGAGTATTTTCAATTAACCAGGGATTTTGAACCTCTTTTCTGGAACAC
TTCCCTGAGTCACGCTCAGCAATACCGCTGGTACCAGATGCTGTACCAGGCTGGCGTCTTTGCCTCCCGC
TCTTCTCTCCGCTGCTGTGCGATCCGTTTACCTGGGCCCTGGCCCTGCTGCAGTGCCTCAACTGGTGT
TCCTGCTGGCAGACGTGTGGTTCGGCTTTCTGCCAAGCATCTACCTCGTCTTCTGATCATTCTGTATGA
GGGGCTCCTGGGAGGCGCAGCCTACGTGAACACCTTCCACAACATCGCCCTGGAGACCAGTGATGAGCAC
CGGGAGTTTGAATGGCGGCCACCTGCATCTCTGACACACTGGGGATCTCCCTGTCGGGGCTCTGGCTT
TGCTCTGCATGACTTCTCTGCCAGCTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237882 representing NM_001286110
 Red=Cloning site Green=Tags(s)

MLSAHDILSHKRTSGNQSHVDPGPTPIPHNSSSRFDCNSVSTAAVLLADILPTLVIKLLAPLGLHLLPY
 SPRVLVSGICAAGSFVL VAFSHSVGTSLCGVVFASISSGLGEVTFSLTAFYPRAVISWSSGTGGAGLL
 GALSYLGLTQAGLSPQQTL SMLGIPALLLASYFLLLSPEAQDPGEEEEESAARQPLIRTEAPESKPG
 SSSLSLRERWTVFKGLLWYIVPLVVVYFAEYFINQGLFELLFFWNTSLSHAQQYRWYQMLYQAGVFASR
 SSLRCCRIRFTWALALLQCLNLVFLLDVWFGLFLPSIYLVFLIILYEGLLGGAAYNTFHNALETSDHE
 REFAMAATCISDTLGISLSGLLALPLHDFLCQLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

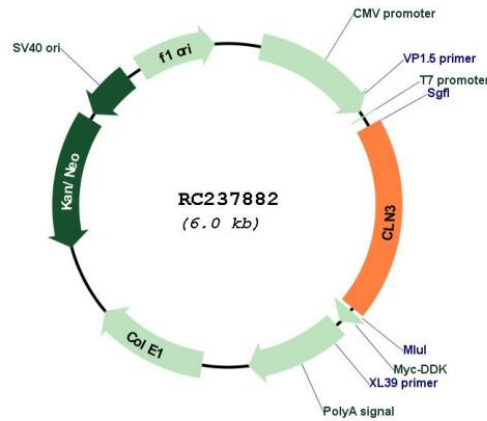
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286110

ORF Size:	1152 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_001286110.2
RefSeq Size:	1797 bp
RefSeq ORF:	1155 bp
Locus ID:	1201
Cytogenetics:	16p12.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome
MW:	42.1 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]