

Product datasheet for **RC237556**

CLN3 (NM_001286105) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLN3 (NM_001286105) 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: >RC237556 representing NM_001286105
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGACCCAGGCCAACGCGCATCCCCACAACAGCTCATCACGATTTGACTGCAACTCTGTCTCTAC
GGCTCCCCGGGTTCTCGTCAGTGGGATTTGTGCTGCTGGAAGCTTCGTCCTGGTTGCCTTTTCTCATT
TGTGGGACCAGCCTGTGTGGTGTGGTCTTCGCTAGCATCTCATCAGGCCTTGGGGAGGTCACCTTCCTC
TCCCTCACTGCCTTCTACCCAGGGCCGTGATCTCCTGGTGGTCCCTCAGGACTGGGGAGCTGGGCTGC
TGGGGGCCCTGTCTACCTGGGCCTCACCCAGGCCGCTCTCCCTCAGCAGACCTGTGTCCATGCT
GGGTATCCCTGCCTGCTGCTGGCCAGCTATTTCTTGTGCTCACATCTCCTGAGGCCAGGACCTGGA
GGGAAGAAGAAGCAGAGAGCGCAGCCCGCAGCCCTCATAAGAACCGAGGCCCGGAGTCAAGCCAG
GCTCCAGCTCCAGCCTCTCCCTTCGGAAAGGTGGACAGTGTCAAGGGTCTGCTGTGGTACATTGTTCC
CTTGGTCGTAGTTTACTTTGCCGAGTATTTCAATTAACCAGGGACTTTTTGAACTCCTCTTTTTCTGGAAC
ACTTCCCTGAGTCAGCTCAGCAATACCGCTGGTACCAGATGCTGTACCAGGCTGGCGTCTTTGCCTCCC
GCTTTCTCTCCGCTGCTGTCGATCCGTTTACCTGGCCCTGGCCCTGCTGCAGTGCCTCAACCTGGT
GTTCTGCTGGCAGACGTGTGGTTCGGCTTTCTGCCAAGCATCTACCTCGTCTTCTCCTGATCATTCTGTAT
GAGGGGCTCCTGGGAGGCGCAGCCTACGTGAACACCTTCCACAACATCGCCCTGGAGACCAGTGATGAGC
ACCGGGAGTTTGAATGGCGGCCACCTGCATCTCTGACACACTGGGGATCTCCCTGTGCGGGCTCCTGGC
TTTGCCTCTGCATGACTTCTCTGCCAGCTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237556 representing NM_001286105
 Red=Cloning site Green=Tags(s)

MWTQAQRRSPPTAHHDLTATLSLRLPRVLVSGICAAGSFVLVAFSHSVGTSLCGVVFASISSGLGEVTFLL
 SLTAFYPRAVISWSSSGTGGAGLLGALSYLGLTQAGLSPQQTLLSMLGIPALLLASYFLLLLTSPEAQDPG
 GEEEEASAARQPLIRTEAPESKPGSSSSLSLRERWTVFKGLLWYIVPLVVVYFAEYFINQGLFELLFFWN
 TSLSHAQYRWYQMLYQAGVFASSSLRCCRIRFTWALALLQCLNLVFLADVWFGLPSIYLVFLIILY
 EGLLGAAAYVNTFHNIALETSDHREFAMAATCISDTLGISLSGLLALPLHDFLCQLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

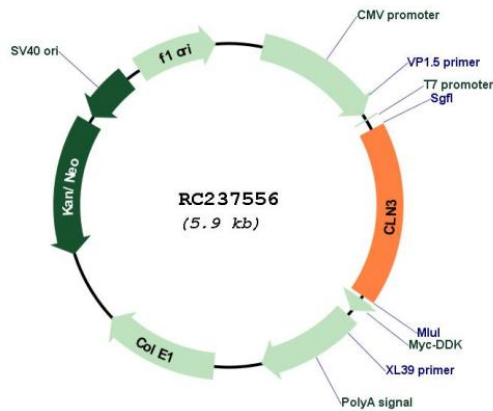
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286105

ORF Size: 1014 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_001286105.2
RefSeq Size:	1717 bp
RefSeq ORF:	1017 bp
Locus ID:	1201
UniProt ID:	Q13286
Cytogenetics:	16p12.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome
MW:	37.5 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]