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Product datasheet for SC111112

CLN3 (NM_000086) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLN3 (NM_000086) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLN3
Synonyms:	BTN1; BTS; JNCL
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC111112 sequence for NM_000086 edited (data generated by NextGen Sequencing)

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ATGGGAGGCTGTGCAGGCTCGCGGCGGCGCTTTTCGGATTCCGAGGGGGAGGAGACCGTC
CCGGAGCCCCGGCTCCCTCTGTTGGACCATCAGGGCGCGCATTGGAAGAACGCGGTGGGC
TTCTGGCTGCTGGGCCTTTGCAACAACTTCTCTTATGTGGTGATGCTGAGTGCCGCCCAC
GACATCCTTAGCCACAAGAGGACATCGGGAAACCAGAGCCATGTGGACCCAGGCCCAACG
CCGATCCCCCACAACAGCTCATCACGATTTGACTGCAACTCTGTCTCTACGGCTGCTGTG
CTCCTGGCGGACATCCTCCCCACACTCGTCATCAAATTGTTGGCTCCTCTTGGCCTTCAC
CTGCTGCCCTACAGCCCCCGGGTTCTCGTCAGTGGGATTTGTGCTGCTGGAAGCTTCGTC
CTGGTTGCCTTTTCTCATTCTGTGGGGACCAGCCTGTGTGGTGTGGTCTTCGCTAGCATC
TCATCAGGCCTTGGGGAGGTCACCTTCCTCTCCCTCACTGCCTTCTACCCCAGGGCCGTG
ATCTCCTGGTGGTCCTCAGGGACTGGGGGAGCTGGGCTGCTGGGGGCCCTGTCCTACCTG
GGCCTCACCCAGGCCGGCCTCTCCCCTCAGCAGACCCTGCTGTCCATGCTGGGTATCCCT
GCCCTGCTGCTGGCCAGCTATTTCTTGTTGCTCACATCTCCTGAGGCCCAGGACCCTGGA
GGGGAAGAAGAAGCAGAGAGCGCAGCCCGGCAGCCCCTCATAAGAACCGAGGCCCCGGAG
TCGAAGCCAGGCTCCAGCTCCAGCCTCTCCCTTCGGGAAAGGTGGACAGTGTTCAAGGGT
CTGCTGTGGTACATTGTTCCCTTGGTCGTAGTTTACTTTGCCGAGTATTTCATTAACCAG
GGACTTTTTGAACTCCTCTTTTTCTGGAACACTTCCCTGAGTCACGCTCAGCAATACCGC
TGGTACCAGATGCTGTACCAGGCTGGCGTCTTTGCCTCCCGCTCTTCTCTCCGCTGCTGT
CGCATCCGTTTCACCTGGGCCCTGGCCCTGCTGCAGTGCCTCAACCTGGTGTTCCTGCTG
GCAGACGTGTGGTTCGGCTTTCTGCCAAGCATCTACCTCGTCTTCCTGATCATTCTGTAT
GAGGGGCTCCTGGGAGGCGCAGCCTACGTGAACACCTTCCACAACATCGCCCTGGAGACC
AGTGATGAGCACCGGGAGTTTGCAATGGCGGCCACCTGCATCTCTGACACACTGGGGATC
TCCCTGTCGGGGCTCCTGGCTTTGCCTCTGCATGACTTCCTCTGCCAGCTCTCCTGA

Clone variation with respect to NM_000086.2
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View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000086 unedited
NGCGTTCAGATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACGAGGCTTAAAG
ACCCTCATCCCTCCCGTGGGAGCCCCCTTTGGACACTCTATGACCCTGGACCCTCGGGGG
ACCTGAACTTGATGCGATGGGAGGCTGTGCAGGCTCGCGGCGGCGCTTTTCGGATTCCGA
GGGGGAGGAGACCGTCCCGGAGCCCCGGCTCCCTCTGTTGGACCATCAGGGCGCGCATTG
GAAGAACGCGGTGGGCTTCTGGCTGCTGGGCCTTTGCAACAACTTCTCTTATGTGGTGAT
GCTGAGTGCCGCCCACGACATCCTTAGCCACAAGAGGACATCGGGAAACCAGAGCCATGT
GGACCCAGGCCCAACGCCGATCCCCCACAACAGCTCATCACGATTTGACTGCAACTCTGT
CTCTACGGCTGCTGTGCTCCTGGCGGACATCCTCCCCACACTCGTCATCAAATTGTTGGC
TCCTCTTGGCCTTCACCTGCTGCCCTACAGCCCCCGGGTTCTCGTCAGTGGGATTTGTGC
TGCTGGAAGCTTCGTCCTGGTTGCCTTTTCTCATTCTGTGGGGACCAGCCTGTGTGGTGT
GGTCTTCGCTAGCATCTCATCAGGCCTTGGGGAGGTCACCTTCCTCTCCCTCACTGCCTT
CTACCCCAGGGCCGTGATCTCCTGGTGGTCCTCAGGGACTGGGGGAGCTGGGCTGCTGGG
GGCCCTGTCCTACCTGGGCCTCACCCAGGCCGGCCTCTCCCCTCAGCAGACCCTGCTGTC
CATGCTGGGTATCCCTGCCCTGCTGCTGGCCAGCTATTTCTTGTTGCTCACATCTCCTGA
GGCCCANGACCCNTGNAGGGAAGAAGAAGCAGAGAGCGCAGCCCGGCAGCCCCTCATAAG
AACCCGAGCCCCGGAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000086 unedited
CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCATGGATAAAATCGGCATTTATTCA
GAAGGCATGATGCCAGGAAGAACTCCCCAGTGGGAGAAATGGCTGGCCCCCCTGCAAGGG
AAACAAGGCTTCAGCCCTTCCCTACTCCCAAACCTGCCGGGAAGGCTGGGAGCACAGTTC
ATGGAGGGTCTCTGGGGTGGGCCTGGGTGTCTGACCTGTCCCTCTGCCCACAGGTGAATG
TGACCTGCGTCCTGAGGATCCCGAGTATCAGGAGAGCTGGCAGAGGAAGTCATGCAGAGG
CAAAGCCAGGAGCCCCGACAGGGAGATCCCCAGTGTGTCAGATATGCAGGTGGCCGCCAT
TGCAAACTCCCGGAGCTCATCACTGGTCTCCAGGGCGATGTTGTGGAAGGTGTTCACGTA
GGCTGCGCCTCCCAGGAGCCCCTCATACAGAATGATCAGGAAGACGAGGTAGATGCTTGG
CAGATAGCCGAACCACACGTCTGCCAGCAGGAACACCAGGTTGAGGCACTGCAGCAGGGC
CAGGGCCCAGGTGAAACGGATGCGACAGCAGCGGAGAGAAGAGCGGGAGGCAAAGACGCC
AGCCTGGACAGCATCTGGTACCAGCGTTTTGCTGAGCGTGACTCAGGGAAGTGCTCCAGA
TAAAGAGGAGTTCAAAAAGCCCCTGCCTTATTGAAATACTCGGCAAGTAAACTACGACCC
AAAGGAACAATGTCCCACAGCAGACCCTTGAACACTGTCCACCTTTTCCGNATGGAGATG
CTGAACCTTGAACCTGCCTTCACTCCGGGGCCCTGGGTCTTATGAAGGGCTGCCGGCTGA
GCTCTTTGTTTTTCTCCCTNCAGGGTCCGGGCCTAAGAAATGGGACAACAGAAATTCTGT
CCCCACAGGCAAGGATTCACACATGACACAGGTCGCTAAGGGAAGCCGCCTGGTGAGCCA
ATTTGAAGGCCCCAAACCATTCCCGACCTGGACCAAGA

Restriction Sites: NotI-NotI

ACCN: NM_000086

Insert Size: 1870 bp

OTI Disclaimer: 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).

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:	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_000086.1, NP_000077.1
RefSeq Size:	1689 bp
RefSeq ORF:	1317 bp
Locus ID:	1201
UniProt ID:	Q13286
Cytogenetics:	16p12.1
Domains:	CLN3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome
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] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (a).