

Product datasheet for **SC311274**

CLN3 (NM_001042432) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLN3 (NM_001042432) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLN3
Synonyms:	BTN1; BTS; JNCL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311274 representing NM_001042432. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAGGCTGTGCAGGCTCGCGCGCGCTTTTCGGATTCCGAGGGGGAGGAGACCGTCCCGGAGCCC
CGGCTCCCTCTGTTGGACCATCAGGGCGCGCATTGGAAGAACGCGGTGGGCTTCTGGCTGCTGGCCCTT
TGCAACAACCTCTCTTATGTGGTGTGCTGAGTGCCGCCACGACATCCTTAGCCACAAGAGGACATCG
GGAAACCAGAGCCATGTGGACCCAGGCCAACGCCGATCCCCACAACAGCTCATCAGATTTGACTGC
AACTCTGTCTCTACGGCTGCTGTGCTCCTGGCGGACATCCTCCCCACACTCGTCATCAAATTTGGTGGCT
CCTCTTGGCCTTACCTGCTGCCCTACAGCCCCGGGTTCTCGTCAGTGGGATTTGTGCTGCTGGAAGC
TTCGTCCTGGTTGCCTTTCTATTCTGTGGGGACCAGCCTGTGTGGTGTGGTCTTCGCTAGCATCTCA
TCAGGCCTTGGGGAGGTACCTTCTCCTCACTGCCTTCTACCCAGGGCCGTGATCTCCTGGTGG
TCCTCAGGGACTGGGGGAGCTGGGCTGTGGGGCCCTGTCTACCTGGGCCACCCAGGCCGGCCCTC
TCCCTCAGCAGACCTGCTGTCCATGTGGGTATCCCTGCCCTGCTGCTGGCCAGCTATTTCTTGTG
CTCACATCTCCTGAGGCCAGGACCTGGAGGGGAAGAAGAAGCAGAGAGCGCAGCCCGGAGCCCTC
ATAAGAACCAGGCCCGGAGTCGAAGCCAGGCTCCAGCTCCAGCCTCTCCCTTCGGGAAAGGTGGACA
GTGTTCAAGGGTCTGCTGTGGTACATTGTTCCCTTGGTCGTAGTTACTTTGCCGAGTATTTCAATAC
CAGGGACTTTTGAACCTCTTTTTCTGGAACACTTCCCTGAGTCAGCTCAGCAATACCGCTGGTAC
CAGATGCTGTACCAGGCTGGCGTCTTTGCCTCCCGCTTCTCTCCGCTGCTGTGCATCCGTTTACC
TGGGCCCTGGCCCTGCTGCAGTGCTCAACCTGGTGTTCCTGCTGGCAGACGTGTGGTTCGGCTTCTG
CCAAGCATCTACCTCGTCTTCTGATCATTCTGTATGAGGGGCTCCTGGGAGGCGCAGCCTACGTGAAC
ACCTTCCACAACATCGCCCTGGAGACCAGTGATGAGCACCAGGAGTTTGAATGGCGGCCACCTGCATC
TCTGACACACTGGGGATCTCCCTGTCGGGGCTCCTGGCTTTGCCTCTGCATGACTTCTCTGCCAGCTC
TCCTGA
ACGGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001042432
Insert Size:	1317 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001042432.1
RefSeq Size:	1915 bp
RefSeq ORF:	1317 bp
Locus ID:	1201
UniProt ID:	Q13286
Cytogenetics:	16p12.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome
MW:	47.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same isoform (a).</p>