

Product datasheet for **SC335776**

CLN3 (NM_001286110) Human Untagged Clone

Product data:

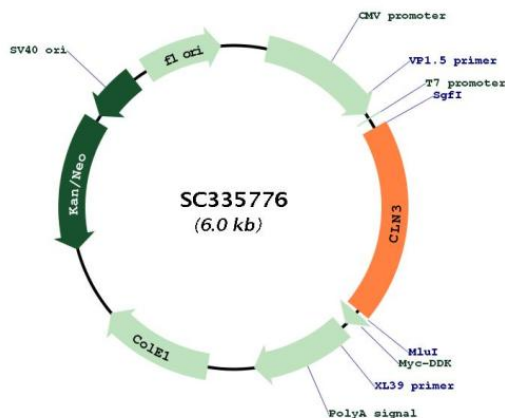
Product Type: Expression Plasmids
Product Name: CLN3 (NM_001286110) Human Untagged Clone
Tag: Tag Free
Symbol: CLN3
Synonyms: BTN1; BTS; JNCL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC335776 representing NM_001286110.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCTGAGTGCCGCCACGACATCCTTAGCCACAAGAGGACATCGGGAACCAGAGCCATGTGGACCCA
GGCCCAACGCCGATCCCCACAACAGCTCATCACGATTTGACTGCAACTCTGTCTCTACGGCTGTGTG
CTCCTGGCGGACATCCTCCCACACTCGTCATCAAATTGTTGGCTCCTTGGCCTTACCTGCTGCC
TACAGCCCCGGGTTCTCGTCAGTGGGATTTGTGCTGCTGGAAGCTTCGCTCTGGTTGCCTTTTCTCAT
TCTGTGGGACCAGCCTGTGGTGTGGTCTTCGCTAGCATCTCATCAGGCCTTGGGAGGTCACCTTC
CTCTCCCTCACTGCCTTCTACCCAGGGCCGTGATCTCCTGGTGGTCTCAGGACTGGGGAGCTGGG
CTGCTGGGGCCCTGTCTACCTGGGCCTACCCAGGCCGCCTCTCCCTCAGCAGACCCTGTGTCC
ATGCTGGGTATCCCTGCCTGCTGCTGGCCAGCTATTTCTTGTGCTCACATCTCCTGAGGCCCAGGAC
CCTGGAGGGGAAGAAGAAGCAGAGAGCGCAGCCCGGCAGCCCTCATAAGAACCAGGCCCGGAGTCG
AAGCCAGGCTCCAGCTCCAGCCTCTCCCTTCGGGAAAGGTGGACAGTGTCAAGGGTCTGCTGTGGTAC
ATTGTTCCCTTGGTTCGTAGTTTACTTTGCCGAGTATTTCAATTAACCAGGGACTTTTTGAACCTCTTTT
TTCTGGAACACTCCCTGAGTCACGCTCAGCAATACCGCTGGTACCAGATGCTGTACCAGGCTGGCGTC
TTTGCCTCCGCTCTTCTCCTCGCTGCTGTCGCATCCGTTTACCTGGGCCCTGGCCCTGCTGCAGTGC
CTCAACCTGGTTCCTGCTGGCAGACGTGTGGTTCGGCTTTCTGCCAAGCATCTACCTGCTCTTCTCTG
ATCATTCTGTATGAGGGCTCCTGGGAGGCGCAGCCTACGTGAACACCTTCCACAACATCGCCCTGGAG
ACCAGTGATGAGCACCGGAGTTTGAATGGCGGCCACCTGCATCTCTGACACACTGGGGATCTCCCTG
TCGGGGCTCCTGGCTTTGCCTCTGCATGACTTCTCTGCCAGCTCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001286110

Insert Size: 1155 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_001286110.1](#)

RefSeq Size: 1797 bp

RefSeq ORF: 1155 bp

Locus ID: 1201

Cytogenetics: 16p12.1

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Lysosome

MW: 41.6 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]

Transcript Variant: This variant (6) differs in the 5' UTR and coding sequence and lacks an alternate in-frame exon compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (e) with a shorter N-terminus and missing an alternate internal segment compared to isoform a.