

Product datasheet for RC224971L3

OriGene Technologies, Inc.

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CLN3 (NM_001042432) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CLN3 (NM 001042432) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: CLN3

Synonyms: BTN1; BTS; JNCL

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC224971).

Sequence:

Sgfl-Mlul

Restriction Sites: Cloning Scheme:



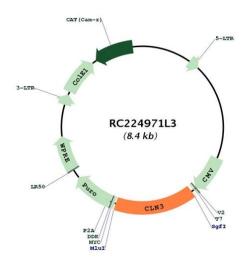


st The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001042432

ORF Size: 1314 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: 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



CLN3 (NM_001042432) Human Tagged Lenti ORF Clone - RC224971L3

Locus ID: 1201

UniProt ID: Q13286
Cytogenetics: 16p12.1

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Lysosome MW: 47.6 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]