

## Product datasheet for RC221112L3

## OriGene Technologies, Inc.

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## Dystrobrevin alpha (DTNA) (NM\_032978) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type: Expression Plasmids** 

**Product Name:** Dystrobrevin alpha (DTNA) (NM\_032978) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Dystrobrevin alpha

D18S892E; DRP3; DTN; DTN-A; LVNC1 Synonyms: Puromycin

**Mammalian Cell** 

Selection:

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

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

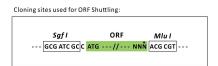
**ORF Nucleotide** 

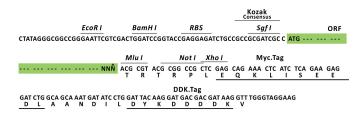
Sequence:

The ORF insert of this clone is exactly the same as(RC221112).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_032978

**ORF Size:** 1701 bp





## Dystrobrevin alpha (DTNA) (NM\_032978) Human Tagged Lenti ORF Clone - RC221112L3

**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:** <u>NM 032978.4</u>

 RefSeq Size:
 3123 bp

 RefSeq ORF:
 1704 bp

 Locus ID:
 1837

 UniProt ID:
 09Y4|8

Cytogenetics: 18q12.1

**Domains:** ZnF\_ZZ

**Protein Families:** Druggable Genome

**MW:** 64.5 kDa

**Gene Summary:** The protein encoded by this gene belongs to the dystrobrevin subfamily of the dystrophin

family. This protein is a component of the dystrophin-associated protein complex (DPC), which consists of dystrophin and several integral and peripheral membrane proteins, including dystroglycans, sarcoglycans, syntrophins and alpha- and beta-dystrobrevin. The DPC localizes to the sarcolemma and its disruption is associated with various forms of

muscular dystrophy. Mutations in this gene are associated with left ventricular

noncompaction with congenital heart defects. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq,

Jul 2008]