

Product datasheet for **SC314257**

Dystrobrevin beta (DTNB) (NM_021907) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dystrobrevin beta (DTNB) (NM_021907) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dystrobrevin beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC314257 representing NM_021907.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGATTGAGGAAAGTGGGAACAAGCGGAAGACCATGGCAGAGAAGAGGCAGCTGTTTCATAGAAAATGCGT
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CGATGCAACCTTCATCTTGTGATATCTGGAACATGATTGAAGCCTTCCGAGACAATGGCCTTAATACA
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AATGGGAAAGACAGAGGTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_021907

Insert Size: 1884 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:

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_021907.4](#)

RefSeq Size: 2509 bp

RefSeq ORF: 1884 bp

Locus ID: 1838

UniProt ID: [O60941](#)

Cytogenetics: 2p23.3

Domains: ZnF_ZZ

MW: 71.4 kDa

Gene Summary: This gene encodes dystrobrevin beta, a component of the dystrophin-associated protein complex (DPC). The DPC consists of dystrophin and several integral and peripheral membrane proteins, including dystroglycans, sarcoglycans, syntrophins and dystrobrevin alpha and beta. The DPC localizes to the sarcolemma and its disruption is associated with various forms of muscular dystrophy. Dystrobrevin beta is thought to interact with syntrophin and the DP71 short form of dystrophin. [provided by RefSeq, Mar 2016]
Transcript Variant: This variant (1) encodes the longest isoform (1).