

Product datasheet for **SC310268**

Dystrobrevin beta (DTNB) (NM_183361) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dystrobrevin beta (DTNB) (NM_183361) Human Untagged Clone
Tag:	Tag Free
Symbol:	DTNB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310268 representing NM_183361.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATTGAGGAAAGTGGGAACAAGCGGAAGACCATGGCAGAGAAGAGGCAGCTGTTCATAGAAATGCGT
GCTCAGAATTTTGTATGCATACGACTATCAACTTACAGAACAGCCTGCAAATTACGATTTGTACAAAA
CGATGCAACCTTCATCTTGTGATATCTGGAACATGATTGAAGCCTCCGAGACAATGGCCTTAATACA
CTGGACCATACCACCGAGATCAGTGTGTCCCGCCTCGAAACTGTCATCTCTCCACTACTATCAGTTG
AACAAAGCGCCTTCCTTCTACTACCAAATTAGTGTGGAACAATCTATCAGCCTCCTCCTCAACTTTATG
ATTGCTGCATATGACAGTGAGGGCCGAGGCAAGTTGACGGTATTTTCAGTTAAAGCTATGTTAGCAACC
ATGTGTGGTGGAAAAATGCTGGACAAATGAGATATGTTTTCTCCAGATGTCAGATTCCAATGGCTTA
ATGATATTTAGCAAGTTGACCAGTTTCTGAAGGAAGTTCTGAAGCTCCCAACAGCTGTCTTTGAAGGG
CCATCTTTTGGTTACACAGAGCACTCAGTCCGCACCTGTTTTCCACAGCAGAGAAAGATAATGCTAAT
ATGTTTTTAGACACAATGATGGCTGACCCTCCTCCCAAGTGCCTTGTCTGGCTACCTCTCATGCACAGG
CTTGCCCATGTTGAGAATGTCTTCCATCCCGTGGAGTGCTCTACTGCCGATGTGAGAGTATGATGGGT
TTCCGGTACCGATGCCAGCAGTGCCACAATATCAGCTCTGCCAGAATTGCTTTTGGCGTGGCCATGCC
GGCGGCCCTCACAGCAACCAGCACCAGATGAAGGAGCATTCTCTTGGAAATCTCCTGCAAGAAGCTG
AGCCATGCAATTAGTAAATCTTTGGGTGTGTACCCACGAGAGAACCCCGCATCTGTTTTTCTGAG
CAACCAGAGAAACCCTTGACCTTGACATATAGTTTCTCCTCGCCCTGACTAATATGAATGACACC
ATGTTAGCCACATGTCTCTGGAGTGCCACTCCCACCAAGAGTGTCTGGACAGTCTAGCCGACTG
GATGGAACACCGTCTTATAGCTCGCTATGCTGCCCGGCTGGCTGCAGAAGCAGGAAACGTGACTCGT
CCTCCCCTGACTTGAGCTTTAACTTTGATGCCAACAACAACAAGACAGCTTATTGCAGAACTGGAA
AACAAAAACAGAGAGATCCTGCAGGAGATTGAGGCTCTCCGCTGGAACACGAGCAGGCCTCCAGCCC
ACCCCTGAGAAGGCACAGCAGAACCCACGCTGTGGCAGAGCTGCGGCTGCTGAGGCAAAGGAAGGAT
GAACTGGAGCAGAGGATGTCCGCCCTGCAGGAGAGCAGGCGGGAGCTGATGGTCCAGCTGGAAGAGCTG
ATGAAGTTGCTGAAGGCTCAGGCCACAGGGTACCACATACATCGCCACCCATGGAGGCGGCCGCCA
ATGCCCATGCCAGTGGCTCCACGTCTGCCGGCTCCACCCACCCACTGTCCGAGGACTCGTGAGC
GGAGTCCGGGGAGACGTGCAGGAGGCTTCGCACAAGCAGAGGAAGGTGCAGAGGAAGAAGAAGAGAA
ATGCAGAATGGGAAAGACAGAGGTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
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- Restriction Sites:** SgfI-MluI
- Plasmid Map:**
- ACCN:** NM_183361
- Insert Size:** 1683 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_183361.2](#)

RefSeq Size: 2328 bp

RefSeq ORF: 1683 bp

Locus ID: 1838

UniProt ID: [O60941](#)

Cytogenetics: 2p23.3

MW: 63.8 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 (5) lacks three in-frame exons in the 3' coding region, compared to variant 1. The resulting isoform (5) lacks three internal segments, compared to isoform 1.