

Product datasheet for **SC332342**

Dystrobrevin beta (DTNB) (NM_001256308) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dystrobrevin beta (DTNB) (NM_001256308) Human Untagged Clone
Tag: Tag Free
Symbol: Dystrobrevin beta
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332342 representing NM_001256308.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATTGAAGCCTTCGAGACAATGGCCTTAATACACTGGACCATACCACCGAGATCAGTGTGCCCGC
CTCGAAACTGTCATCTCCTCCATCTACTATCAGTTGAACAAGCGCCTTCTTCTACTCACCAAATTAGT
GTGGAACAATCTATCAGCCTCCTCCTCACTTTATGATTGCTGCATATGACAGTGAGGGCCGAGGCAAG
TTGACGGTATTTTCAGTTAAAGCTATGTTAGCAACCATGTGTGGTGGAAAAATGCTGGACAAATTGAGA
TATGTTTTCTCCAGATGTCAGATTCCAATGGCTTAATGATATTTAGCAAGTTTGACCAGTTTCTGAAG
GAAGTTCTGAAGCTCCCAACAGCTGTCTTTGAAGGGCCATCTTTTGTTTACACAGAGCAGCTCCGC
ACCTGTTTTCCACAGCAGAGAAAAGATAATGCTAAATATGTTTTTAGACACAATGATGGCTGACCCTCCT
CCCCAGTGCCTTGCTGGCTACCTCTCATGCACAGGCTTGCCCATGTTGAGAATGTCTTCCATCCCGTG
GAGTGCTCCTACTGCCGATGTGAGAGTATGATGGGTTTCCGGTACCGATGCCAGCAGTGCCACAATAT
CAGCTCTGCCAGAATTGCTTTTGGCGTGGCCATGCCGCGGCCCTCACAGCAACCAGCACCAGATGAAG
GAGCATTCTCTTGAAATCTCCTGCAAAGAAGCTGAGCCATGCAATTAGTAAATCTTTGGGGTGTGTA
CCCACGAGAGAACCCCGCATCTGTTTTTCTGAGCAACCAGAGAAACCACTTGACCTTGACATATA
GTTCTCTCTCGCCTCTGACTAATGAATGACACCATGGTTAGCCACATGTCCTCTGGAGTGCCCACT
CCCACCAAGAGGTTACAGTATAGCCAGGATATACCCAGTCACTTGCCGATGAGCATGCGCTGATAGCC
TCCATGTGGCCCGTCTGCAGCACTGTGCACGTGTTCTGGACAGTCTAGCCGACTGGATGAGGAACAC
CGTCTTATAGCTCGCTATGCTGCCCGGCTGGCTGCAGAAGCAGGAAACGTGACTCGTCTCCCACTGAC
TTGAGCTTTAACTTTGATGCCAACAACAACAAGACAGCTTATTGCAGAACTGGAAAACAAAACAGA
GAGATCCTGCAGGAGATTGAGCGTCTCCGCTGGAACACGAGCAGGCCTCCAGCCACCCCTGAGAAG
GCACAGCAGAACCCACGCTGCTGGCAGAGCTGCGGCTGCTGAGGCAAAGGAAGGATGAAGTGGAGCAG
AGGATGTCGGCCCTGCAGGAGAGCAGGCGGGAGCTGATGGTCCAGCTGGAAGAGCTGATGAAGTTGCTG
AAGGCTCAGGCCACAGGGTCACCACATACATCGCCACCCATGGAGGCGGCCGCAATGCCATGCCA
GTGCGCTCCACGTCTGCCGCTCCACCCCACTGTCCGAGGACTCGCTGAGCGGAGTCGGGGGA
GACGTGCAGGAGCCTTCGCACAAGGTACGAGGAGAAACCTCCGCAATGACCTGCTGGTGGCAGCTGAC
TCCATACCAACACCATGTCATCCTGGTGAAGGAGCTCCATTAGGTTAG
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001256308
Insert Size: 1638 bp



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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:	<ol style="list-style-type: none"> 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_001256308.1</u>
RefSeq Size:	2328 bp
RefSeq ORF:	1638 bp
Locus ID:	1838
UniProt ID:	<u>O60941</u>
Cytogenetics:	2p23.3
MW:	61.5 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (8) differs in the 5' UTR, lacks a portion of the 5' coding region, initiates translation at a downstream AUG start codon, and lacks two in-frame exons in the 3' coding region, compared to variant 1. The resulting isoform</p>