

## Product datasheet for **SC332338**

### Dystrobrevin beta (DTNB) (NM\_001256303) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dystrobrevin beta (DTNB) (NM\_001256303) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dystrobrevin beta  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332338 representing NM\_001256303.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATTGAGGAAAGTGGGAACAAGCGGAAGACCATGGCAGAGAAGAGGCAGCTGTTCATAGAAATGCGT
GCTCAGAAATTTGATGTCATACGACTATCAACTTACAGAACAGCCTGCAAATTACGATTTGTACAAAA
CGATGCAACCTTCATCTTGTGATATCTGGAACATGATTGAAGCCTCCGAGACAATGGCCTTAATA
CTGGACCATAACCACCGAGATCAGTGTGTCCCGCCTCGAACTGTCATCTCCTCCATCTACTATCAGTTG
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TGTCCGCAAGTCTGAGCGGAGTCCGGGGAGAGCTGCAGGAGGCTTCGCACAAGGTACGAGGAGA
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CTCCATTCAGCAGAGGAAGGTGCAGAGGAAGAAGAAGAGAAGATGCAGAATGGGAAAGACAGAGGTAG
  
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**Restriction Sites:** Sgfl-MluI



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<b>ACCN:</b>	NM_001256303
<b>Insert Size:</b>	1863 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001256303.1</a></u>
<b>RefSeq Size:</b>	2486 bp
<b>RefSeq ORF:</b>	1863 bp
<b>Locus ID:</b>	1838
<b>UniProt ID:</b>	<u><a href="#">O60941</a></u>
<b>Cytogenetics:</b>	2p23.3
<b>MW:</b>	70.5 kDa
<b>Gene Summary:</b>	<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 (6) lacks an in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (6) lacks an internal segment, compared to isoform 1.</p>