

## Product datasheet for **SC124553**

### Dystrobrevin beta (DTNB) (NM\_183360) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dystrobrevin beta (DTNB) (NM_183360) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dystrobrevin beta
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_183360, the custom clone sequence may differ by one or more nucleotides

```

ATGATTGAGGAAAGTGGGAACAAGCGGAAGACCATGGCAGAGAAGAGGCAGCTGTTCATAGAAATGCGTG
CTCAGAATTTTGATGTCATACGACTATCAACTTACAGAACAGCCTGCAAATTACGATTTGTACAAAAACG
ATGCAACCTTCATCTTGTGATATCTGGAACATGATTGAAGCCTCCGAGACAATGGCCTTAATACACTG
GACCATACCACCGAGATCAGTGTGTCCCGCCTCGAAACTGTCATCTCCTCCATCTACTATCAGTTGAACA
AGCGCCTTCCTTCTACTACCAAATTAGTGTGGAACAATCTATCAGCCTCCTCCTCAACTTTATGATTGC
TGCATATGACAGTGAGGGCCGAGGCAAGTTGACGGTATTTTCAGTTAAAGCTATGTTAGCAACCATGTGT
GGTGGAAAAATGCTGGACAAATTGAGATATGTTTTCTCCAGATGTCAGATTCCAATGGCTTAATGATAT
TTAGCAAGTTTGACCAGTTTCTGAAGGAAGTTCTGAAGCTCCCAACAGCTGTCTTTGAAGGGCCATCTTT
TGGTTACACAGAGCACTCAGTCCGCACCTGTTTTCCACAGCAGAGAAAGATAATGCTAAATATGTTTTTA
GACACAATGATGGCTGACCTCCTCCCGAGTGCCTTGTCTGGCTACCTCTCATGCACAGGCTTGCCCATG
TTGAGAATGTCTCCATCCCGTGGAGTGTCTACTGCCGATGTGAGAGTATGATGGGTTCCGGTACCG
ATGCCAGCAGTGCCACAACATATCAGCTCTGCCAGAATTGCTTTTGGCGTGGCCATGCCGGCGGCCCTCAC
AGCAACAGCACCAGATGAAGGAGCATTCTCTTGGAATCTCCTGCAAAGAAGCTGAGCCATGCAATTA
GTAATCTTTGGGGTGTGTACCCACGAGAGAACCCCGCATCCTGTTTTCTGAGCAACAGAGAAACC
ACTTGACCTTGCACATATAGTTCCTCCTCGCCCTGACTAATATGAATGACACCATGGTTAGCCACATG
TCCTCTGGAGTGGCCACTCCCACCAAGAGGTTACAGTATAGCCAGGATATACCCAGTCACTTGGCCGATG
AGCATGCGCTGATAGCCTCCTATGTGGCCCGTCTGCAGCACTGTGCACGTGTTCTGGACAGTCTAGCCG
ACTGTGAGGAACACCGTCTTATAGCTCGTATGCTGCCCGCTGGCTGCAGAAGCAGGAAACGTGACT
CGTCTCCCACTGACTTGAGCTTAACTTTGATGCCAACAAACAACAAAGACAGCTTATTGCAGAACTGG
AAAACAAAACAGAGAGATCCTGCAGGAGATTCAGCGTCTCCCGCTGGAACACGAGCAGGCTCCAGCC
CACCCCTGAGAAGGCACAGCAGAACCCACGCTGCTGGCAGAGCTGCGGCTGCTGAGGCAAAGGAAGGAT
GAACTGGAGCAGAGGATGTCGGCCCTGCAGGAGAGCAGGCGGGAGCTGATGGTCCAGCTGGAAGAGCTGA
TGAAGTTGCTGAAGGAGGAAGAGCAAAGCAGGCAGCTCAGGCCACAGGGTCAACACATACATCGCCAC
CCATGGAGGCGGCGGCAATGCCATGCCAGTGCCTCCACGTCTGCCGGCTCCACCCCACTGACTGT
CCGAGGACTCGCTGAGCGGAGTGGGGGAGACGTGCAGGAGGCCTTCGACAAGGTACGAGGAGAAACC
TCCGCAATGACCTGCTGGTGGCAGCTGACTCCATACCAACACCATGTCATCCCTGGTGAAGGAGCTCCA
TTCAGGTTAG
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_183360 unedited

```

ACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGAGCCGGGCGCTGCGAACGTTTCG
CCGCGGGGGTGGTCCGGGGCCTGAGTAGGCGTGCCTCAGCCGAGGGGGCTGG
GCCGGAGCGTGGGAGGAGTGAGGCCGAGGAGACCTCCCGACGACCCCTGCTCCGGCG
GGGAAGTGAGCAAGGATGATTGAGGAAAGTGGGAACAAGCGGAAGACCATGGCAGAGAAG
AGGCAGCTGTTTATAGAAATGCGTGCTCAGAATTTTGTGTCATACGACTATCAACTTAC
AGAACAGCCTGCAAATTACGATTTGTACAAAAACGATGCAACCTTCATCTTGTGATATC
TGAACATGATTGAAGCCTCCGAGACAATGGCCTTAATACACTGGACCATACCACCGAG
ATCAGTGTGTCCCGCCTCGAAACTGTCATCTCCTCCATCTACTATCAGTTGAACAAGCGC
CTTCTTCTACTACCAAATTAGTGTGGAACAATCTATCAGCCTCCTCCTCAACTTTATG
ATTGCTGCATATGACAGTGAGGGCCGAGGCAAGTTGACGGTATTTTCAGTTAAAGCTATG
TTAGCAACCATGTGTGGTGGAAAAATGCTGGGACAATTGAGATATGTTTTCTCCAGATG
TCAGATTTCCAATGGCTTAATGATATTTAGCAAGTTTGACCAGTTTCTGAAGGAAAAGTCT
GAGCTCCACAGCTGTCTTTGAAGGCCATCTTTTGTACCAGAGACTCAGTCCGCACTGT
TTTTCCACAGAGAGAAGATATGCTAATATGTTTTAGACCATGATGCTGACCCCTCCTCAGT
GCTTGCTGCTACTTTCATGCCAGCTGCCATGTGAAATGTCTCCATCCGTGATGCTCTCTGC
GATGGAATTGATGGTTNCGTACGAGCACATGCCACTATACTTGCAAATGCTTTGCGTGCA
TGCGGGCCTAAGCACACAGAGAAGGN
    
```

**Restriction Sites:**

NotI-NotI

<b>ACCN:</b>	NM_183360
<b>Insert Size:</b>	3200 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>	<a href="#">NM_183360.1</a> , <a href="#">NP_899204.1</a>
<b>RefSeq Size:</b>	2433 bp
<b>RefSeq ORF:</b>	1830 bp
<b>Locus ID:</b>	1838
<b>UniProt ID:</b>	<a href="#">O60941</a>
<b>Cytogenetics:</b>	2p23.3
<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 (4) lacks an in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (4) lacks an internal segment, compared to isoform 1.</p>