

Product datasheet for **RC234400**

Dystrobrevin beta (DTNB) (NM_001256308) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dystrobrevin beta (DTNB) (NM_001256308) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dystrobrevin beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC234400 representing NM_001256308
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTGAAGCCTTCGAGACAATGGCCTTAATACACTGGACCATACCACCGAGATCAGTGTGTCCCGCC
 TCGAAACTGTCATCTCCTCCATCTACTATCAGTTGAACAAGCGCCTTCTTCTACTCACCAAATTAGTGT
 GGAACAATCTATCAGCCTCCTCCTCAACTTTATGATTGCTGCATATGACAGTGAGGGCCGAGGCAAGTTG
 ACGGTATTTTCAGTTAAAGCTATGTTAGCAACCATGTGTGGTGGAAAAATGCTGGACAAATTGAGATATG
 TTTTCTCCAGATGTCAGATTCCAATGGCTTAATGATATTTAGCAAGTTTGACCAGTTTCTGAAGGAAGT
 TCTGAAGTCCCAACAGCTGTCTTTGAAGGGCCATCTTTTGGTTACACAGAGCACTCAGTCCGCACCTGT
 TTTCCACAGCAGAAAAGATAATGCTAAATATGTTTTAGACACAATGATGGCTGACCCTCCTCCCCAGT
 GCCTTGTCTGGTACCTCTCATGCACAGGCTTGCCCATGTTGAGAATGTCTTCCATCCCGTGGAGTGCTC
 TACTGCCGATGTGAGAGTATGATGGGTTTCCGGTACCGATGCCAGCAGTGCCACAACATCAGCTCTGC
 CAGAATTGCTTTTGGCGTGGCCATGCCGGCGGCCCTCACAGCAACCAGCACCCAGATGAAGGAGCATTCT
 CTTGGAATCTCCTGCAAGAAGCTGAGCCATGCAATTAGTAAATCTTTGGGGTGTGTACCCACGAGAGA
 ACCCCCGCATCTGTTTTTCTGAGCAACCAGAGAAAACCACTTGACCTTGACATATAGTTCCTCCTCGC
 CCTCTGACTAATGATGATGACACCATGGTTAGCCACATGTCTCTGGAGTGCCCACTCCCACCAAGAGGT
 TACAGTATAGCCAGGATATACCCAGTCACTTGGCCGATGAGCATGCGCTGATAGCCTCCTATGTGGCCCG
 TCTGCAGCACTGTGCACGTGTTCTGGACAGTCTAGCCGACTGGATGAGGAACACCGTCTTATAGCTCGC
 TATGCTGCCCGGCTGGCTGCAGAAGCAGGAAACGTGACTCGTCTCCCACTGACTTGAGCTTTAACTTTG
 ATGCCAACAAACAACAAGACAGCTTATTGCAGAACTGGAAAACAAAAACAGAGAGATCCTGCAGGAGAT
 TCAGCGTCTCCGCTGGAACACAGCAGAGGCTCCAGCCACCCTGAGAAGGCACAGCAGAACCACCG
 CTGCTGGCAGAGCTGCGGCTGCTGAGGCAAGGAAGGATGAACTGGAGCAGAGGATGTCGGCCCTGCAGG
 AGAGCAGGCGGGAGCTGATGGTCCAGCTGGAAGAGCTGATGAAGTTGCTGAAGGCTCAGGCCACAGGGTC
 ACCACATACATCGCCACCCATGGAGGCGGCCGCAATGCCATGCCAGTGGCTCCACGTCTGCCGGC
 TCCACCCCACTGTCCGAGGACTCGCTGAGCGGAGTGGGGGAGACGTGCAGGAGGCCTTCGCAC
 AAGGTACGAGGAGAACTCCGCAATGACCTGCTGGTGGCAGCTGACTCCATACCAACACCATGTCATC
 CCTGGTGAAGGAGCTCCATTCAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234400 representing NM_001256308
 Red=Cloning site Green=Tags(s)

MIEAFRDNGLNTLDHTTEISVSRLETVISSIIYQLNKRLPSTHQISVEQISLLLLNFMIAAYDSEGRGKL
 TVFSVKAMLATMCGGKMLDKLRYVFSQMSDSNGLMIFSKFDQFLKEVLKLP TAVFEGPSFGYTEHSVRTC
 FPQQRKIMLNMFLDTMMADPPPQCLVWLPLMHRLAHVENVFHPVECSYCRCE SMMGFRYRQQCHNYQLC
 QNCFWRGHAGGPHSNQHQMKEHSSWKSPAKKLSHAISKSLGCVPTREPPHPVFPEQPEKPLDLAHI VPPR
 PLTNMNDTMVSHMSSGVPPTKRLQYSQDIPSHLADEHALIASYVARLQH CARVLDSPSRLDEEHLIAR
 YAARLAAEAGNVRPPTDL SFNFDANKQQRQLIAELENKNREILQEIQRLRLEHEQASQPTPEKAQQNPT
 LLAELRLLRQRKDELEQRMSALQESRRELMVQLEELMKLLKAQATGSPHTSPTHGGGRMPMPVVRST SAG
 STPTHCPQDSL SGVGGDVQEAFAQGTRRNL RNDLLVAADSI TINTMSSLVKELHSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001256308

ORF Size: 1635 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001256308.2](#)

RefSeq Size: 2328 bp

RefSeq ORF: 1638 bp

Locus ID: 1838

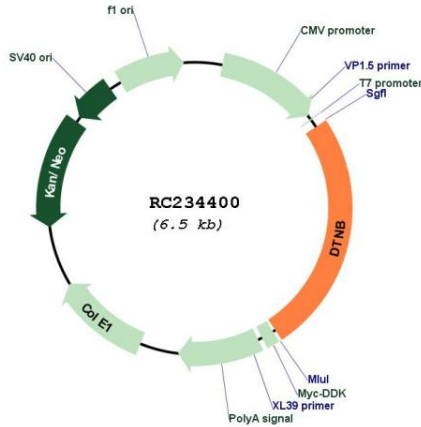
UniProt ID: [O60941](#)

Cytogenetics: 2p23.3

MW: 62 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]

Product images:



Circular map for RC234400