

Product datasheet for **MC220154**

Dtnb (NM_001162465) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtnb (NM_001162465) Mouse 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: >MC220154 representing NM_001162465
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTGAGGAAGCGGGAAACAAGCGGAAGACCATGGCGGAGAAGAGGCAGCTCTTCATAGAAATGCGTG
 CTCAGAATTTTGATGTCATACGACTATCAACGTACAGAACAGCTTGCAAGTTACGATTTGTACAGAAGCG
 ATGCAACCTTCATCTTGTGATATCTGGAATATGATCGAAGCTTCCGAGACAATGGCCTTAACACGCTG
 GACCACAGCACGGAGATCAGCGTGTCCCGCTGGAGACCGTCATCTCGTCCATCTACTATCAGTTGAACA
 AGCGCCTTCTTTCTACTCACCAGATCAGCGTGGAGCAGTCCATCAGTCTCCTACTCAATTCATGGTCGC
 CGCCTACGACAGTGAGGGCCGAGGCAAGTTGACCGTGTTCAGTTAAAGCTATGTTAGCAACCATGTGT
 GGTGGAAAAATGCTGGACAAATTGAGATACATTTCTCCAGATGTCAGATTCGAATGGCTTAATGATGT
 TTGGAAAGCTTGACCAGTTCCTGAAGGAAGCCCTGAAGCTCCCAACAGCTGTCTTTGAGGGCCATCCTT
 TGTTTACACAGAGCATGCAGTCCGTACCTGTTTTCCGCAGCAGAAGAAGATAATGCTGAATATGTTTTTA
 GACACCATGATGGCTGATCCTCCTCCCAAGTGCCTTGCTGGCTACCTCTCATGCACAGGCTTGCCCATG
 TTGAGAATGTCTTCCATCCTGTGGAATGCTCCTACTGTCAGTGGAGAGCATGATGGGCTCCGATACCG
 ATGCCAGCAGTGCCACAACCTACCAGCTCTGCCAGAAGTCTTTGGCGTGGCCATGCCAGCGGCGCTCAC
 AGCAACCAGCACCAGATGAAGGAGCATTCTCTTGAAAATCCCCTGCAAAGAAGCTGAGCCATGCAATTA
 GTAATCTTTGGGATGTGTAACCTCCAGAGAACCCCCACATCCTGTTTTCTGAGCAACCAGAGAAACC
 ACTTGACCTTGACATCTAGTTCCTCCTCGCCCTGACCAATATGAATGACACCGTGGTTAGTCACATG
 TCCTCTGGAGTGCCCACTCCCAACAGAGTTACAGTATAGCCAAGACATGCCAATCTCTTGCCGATG
 AGCATGCGCTGATAGCCTCCTATGTGGCTCGTCTGCAACACTGCACACGTGTGCTGGACAGTCTAGCCG
 ACTGGATGAGGAACACCGCTTATAGCCCGCTATGCTGCCGGCTAGCTGCAGAGGCAAGAAACATGACT
 CGTCTCCCACTGATGCCAGTTCAACTTTGATGCCAACAAACAACAGAGACAGCTCATTGCAGAGCTGG
 AGAACAAGAACAGAGAGATCCTGCAGGAGATCCAGCGCCTGCGGCTGGAGCATGAACAGGCTTCCAGCC
 CACCCCTGAGAAGGCTCAGCAGAACCCATGCTGCTAGCAGAGCTGCGCTTGCTGAGGCAAAGGAAAGAT
 GAGCTGGAGCAAAGGATGTCAGCGCTGCAGGAGAGTAGGCGAGAGCTGATGGTGCAGCTGGAGGGGCTGA
 TGAAGTTGCTAAAGGCTCAAGCCACAGGGTCACCACACACATCACCCACCATGGAGGTGGCCGCCCTAT
 GCCCATGCCTGTGCGTTCTACATCTGCTGGCTCCACCCCGACCCACGGCCCGCAGGACTCACTGAGTGA
 GTTGGGGGAGATGTCAGGAGGCCCTTGCACAAGGTACGAGGAGAAACCTCCGCAATGACTTGCTGGTGG
 CTGCTGACTCCATCACCAACACCATGTCCTCCCTGGTGAAGGAGCTCCATTCAGGCGCAGAGGCGGAGGA
 GCAAGCTGGCACCGAGAAGACAAGGGAAGTCTTCCCCCAGAGGCACATTCCTGTCCGTCTTTCTGCTG
 CACACCTGGACCAAGCTTGACGGCTGCCAGACTCACTCAACCTCCAGAGAGAGGACCAAGCCTATGGGA
 AGTGGGGAGGGACTGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001162465
- Insert Size:** 1980 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).
- 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_001162465.1</u> , <u>NP_001155937.1</u>
RefSeq Size:	2355 bp
RefSeq ORF:	1980 bp
Locus ID:	13528
UniProt ID:	<u>O70585</u>
Cytogenetics:	12 1.88 cM
Gene Summary:	<p>Scaffolding protein that assembles DMD and SNTA1 molecules to the basal membrane of kidney cells and liver sinusoids (PubMed:11585924). May function as a repressor of the SYN1 promoter through the binding of repressor element-1 (RE-1), in turn regulates SYN1 expression and may be involved in cell proliferation regulation during the early phase of neural differentiation (PubMed:20530487). May be required for proper maturation and function of a subset of inhibitory synapses (PubMed:16540561).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>