

Product datasheet for **RN209880**

Dtnb (NM_001012191) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dtnb (NM_001012191) Rat 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: >RN209880 representing NM_001012191
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTGAGGAAGGTGGGAACAAGCGGAAGACCATGGCGGAGAAGAGGCAGCTCTTCATAGAAATGCGTG
 CTCAGAATTTTCGATGTCATACGACTATCAACGTACAGAACAGCGTGCAAGTTACGATTTGTGCAGAAGCG
 GTGTAACCTTCATCTCGTTGATATCTGGAACATGATCGAAGCTTTCCGAGACAATGGCCTTAACACACTG
 GACCACGCCACGGAGATCAGCGTGTCCCGCTGGAGACCGTCATTTCTCCATCTACTATCAGTTGAACA
 AGCGCCTTCCTTCCACTCACAAATCAATGTGGAGCAGTCCATCAGTCTCCTCCTCAACTTTATGATCGC
 CGCCTACGACAGCGAGGGCCGAGGCAAGCTGACCGTCTTTTCAGTTAAAGCTATGTTAGCAACCATGTGT
 GGTGGAAGATGCTGGACAAATTGAGATACATTTCTCCAGATGTCAGATTGGAATGGTTAATGATGT
 TTGGCAAGCTTGACCAGTTTCTGAAGGAAGCCCTGAAACTCCCAACAGCTGTCTTTGAAGGGCCATCCTT
 TGTTTACACGGAACACGCAGTCCGTACCTGTTTCCACAGCAGAAGAAGATAATGCTGAATATGTTTTTA
 GACACCATGATGGCCGATCCTCCTCCACAGTGCCTTGTCTGGCTACCTCTCATGCACAGGCTTGCCCATG
 TCGAGAATGTCTTCCATCCTGTGGAATGCTCCTACTGTCAGTGGAGAGCATGATGGGCTCCGATACCG
 ATGCCAGCAATGCCACAATATCAGCTCTGCCAGAAGTCTTTGGCGTGGCCATGCCGGTGGCCCTCAC
 AGCAACCAGCACCAGATGAAGGAGCTTCTCCTTGGAATCCCCTGCAAAGAAGCTGAGCCATGCAATTA
 GTAATCTTTGGGATGTGTAACCTCCAGAGAACCCACATCCTGTTTTCTGAGCAACCAGAGAAACC
 ACTTGACCTTGCACATATCGTTCCTCCTCGCCCTGACCAATATGAATGACACCATGGTTAGCCACATG
 TCCTCTGGAGTGGCCACTCCACCAAGAGGTTACAGTATGGCCAGGACATGCCAATCTCTTGGCTGATG
 AGCATGCACTGATAGCCTCCTATGTGGCCGCTGCAACACTGCACACGTGCTTGACAGTCTAGCCG
 ACTGGATGAGGAACACCGGCTTATAGCCCGCTATGCTGCCGGCTAGCTGCAGAGGCAAGAAACATGACT
 CGTCTCCACTGATGCCAGTTCAACTTTGATGCCAACAAACAACAGCGACAGCTCATCGCAGAACTGG
 AAAACAAGAACAGAGAGATCCTGCAGGAGATCCAGCGCTGCGGCTGGAGCATGAACAGGCTTCGCAGCC
 CACTCCTGAGAAGGCCAGCAGAACCCACGCTGCTCGCAGAGCTGCGCCTGCTGAGGCAAAGGAAAGAT
 GAGCTGGAGCAGAGGATGTCGGCGCTGCAGGAGTAGGCGGGAGCTGATGGTGCAGCTGGAGGGGCTGA
 TGAAGCTGCTAAAGGCTCAAGCCACAGGTCACCACATACATCACCCACTCACGGAGGTGGCCGCTCTAT
 GCCCATGCCGTCGTTCCACATCTGCTGGCTCCACCCGACCCACGGCCCGCAGGATTCAGTGGTGA
 GTTGGGGAGATGTGCAGGAGGCTTTGCAACAAGGTACGAGGAGAAACCTCCGCAATGACCTGCTGGTGG
 CTGCTGACTCCATTACCAACACCATGTCATCCCTGGTGAAGGAGCTCCATTACAGGTGAAACCCAGCGCTT
 TCCGCTGGTCTCCTCCTCCCTTCATGCCCCCTGCCCTGCCCCACCATCCCACACACAGCCCTCTTTT
 CATGCCACTTTCCTTCTAGGAATACACGGGATCTTACCAGTGCCTCCTTCCACATGGTCAGTTTAT
 AT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001012191

Insert Size: 1965 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:

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_001012191.1](#), [NP_001012191.1](#)

RefSeq Size: 3431 bp

RefSeq ORF: 1965 bp

Locus ID: 362715

UniProt ID: [P84060](#)

Cytogenetics: 6q14

Gene Summary: Scaffolding protein that assembles DMD and SNTA1 molecules to the basal membrane of kidney cells and liver sinusoids. 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. May be required for proper maturation and function of a subset of inhibitory synapses. [UniProtKB/Swiss-Prot Function]