

Product datasheet for **RN207119**

Dbt (NM_053312) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dbt (NM_053312) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dbt
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN207119 representing NM_053312
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCAGCGGTGTGCTGGGGACCTGGAGCCGGAACGCTGTCAGATTGACCTGTGTTGCTATTTTC
 AAACATATAATAACGTACACATTTTGAAGCCACAACACGTGTGCTCTGTGGGTTATCCATTGCTCAAGTC
 CAGTCAGCCACGTCACCTCCGAGAACAGCAGCCGTGCTCCAGGGACAGGTTGTTCAATCAAACCTCC
 GACATCGGAGAAGGGATTCGAGAAGTAACCATTAAGAATGGTATGTAAGAAGGAGATACGGTGTCTC
 AGTTTGACAGCATCTGTGAAGTTCAAAGTGACAAGGCCTCTGTCACCATCACCAGCCGTTACGATGGCGT
 CATTAAGAGGCTCTATTACAATCTGGACGATATCGCTTATGTGGGAAACCCTGATAGACATCGAGACA
 GAAGCTTTAAAGGATTGAGAAGAAGATGTGGTCGAAACTCCTGCTGTAGCCCATGATGAACACCCCACC
 AAGAGATAAAAGGCCAGAAAACACTAGCAACGCCTGCAGTTCGTCGGCTGGCAATGGAAAACAATATCAA
 GCTGAGTGAAGTTGTTGGCTCAGGAAAGGATGGCAGAATACTTAAGAAGACATTCTCAACTTTTTGGAA
 AAGCAGACAGGAGCCATACTGCCTCCCTACCGAAATCGGAAATCACACCACCGCCACCAGCCAGAG
 ACAGGCCCTTTCCACGCGGTATCAAAGCCTCCAGTATTCCTGGGCAAAGACCGAACAGAGCCTGTGAC
 AGGCTTCCAAAAGGCAATGGTCAAGACCATGTCCGCAGCCCTGAAGATTCCTCACTTTGGTACTGTGAT
 GAGGTTGACCTTACTGAACTGGTTAAGCTTCGAGAAGAATTGAAACCTGTTGCTTTGGCTCGTGGGATCA
 AACTCTCCTTCATGCCGTTCTTCTTAAAGGCTCGCTCTTTGGGACTACTGCAGTTCCTATCCTTAATGC
 CTCGGTGGATGAAAACCTGCCAGAGCATCACCTACAAGGCCTCTCACAACTTTGGGATAGCCATGGATACC
 GAGCGGGGGTTAATTGTCCCAACGTGAAGAACGTTGAGTGCCTCTGTATTTGAGATCGCCATGGAAC
 TGAACCGCCTCCAGAACTGGGCTCTTTGGGTCAGCTCAGTACCACAGACCTCACGGGAGGACATTAC
 TCTTTCCAACATTGGATCAATTGGTGAACCTATGCCAAGCCAGTGATATTGCCACCTGAAGTAGCCATT
 GGCGCCCTGGGAGCCATTAAGGCTTCCCGATTGACCAGAAAGGGGATGTTTACAAAGCCAGATAA
 TGAATGTGAGCTGGTCAGCAGATCACAGGGTCATTGACGGCGCCACCATGTCACGATTCTCTAACTGTG
 GAAATCTACTTAGAAAACCCAGCGTTCATGCTGCTGGATCTGAAAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053312

Insert Size: 1449 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_053312.1](#), [NP_445764.1](#)

RefSeq Size: 3166 bp

RefSeq ORF: 1449 bp

Locus ID: 29611

Cytogenetics: 2q41

Gene Summary: a component of the branched-chain alpha-keto acid dehydrogenase complex; involved in the catabolism of the branched-chain amino acids, isoleucine, leucine, and valine [RGD, Feb 2006]