

Product datasheet for **RN215031**

Dbh (NM_013158) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dbh (NM_013158) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dbh
Synonyms:	DOPBHY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215031 representing NM_013158
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCCTCACCTCAGCCACCAGCCTTGTGAGCCTCCCAGCCCCAGCGTCCGTGAGGCGGCTCCA
 TGTATGGCACTGCTGTGGCCATCTTCTGGTCATCCTGGTGGCTGCACTGCAGGGCTCGGAGCCTCCGGA
 GAGCCCCCTCCCTTACCACATCCCCCTGGACCCTGAAGGGACTTTAGAGCTCTCGTGGAACGTCAGCTAT
 GACCAGGAGATCATCCACTTCCAGCTCCAGGTGCAAGGGCCGAGGGCTGGGGTCTGTTCGGAATGTCGG
 ATCGAGGTGAGATGGAGAACGCAGACCTCGTCATGCTCTGGACTGACGGGGACAGGACCTACTTTGCGGA
 CGCCTGGAGTGACCAGAAAGGGCAGATCCATCTGGATACCCATCAGGACTACCAGCTGCTCCAGGCACAG
 AGGGTGTCAAACAGCCTATCCCTGCTCTTCAAGAGGCCCTTTGTCACCTGCGACCCCAAGGATTATGTCA
 TTGAGGATGACTGTCCATCTAGTGTATGGGATCCTGGAGGAGCCATCCAGTCCCTGGAGGCCATCAA
 CACCTCAGGCCTACATACGGGACTACAGCAGGTGCAGCTTCTGAAGCCTGAGGTCTCCACTCCAGCCATG
 CCTGCGGATGTACAAACCATGGATATCCGGGCTCCTGACGTCCTATCCCCAGCACTGAGACCACATACT
 GGTGCTATATCACTGAGCTACCCCTACACTTCCCCGACACCACATCATCATGTATGAGGCCATTGTCAC
 GGAGGGCAATGAGGCCCTGGTGCACCACATGGAGGTCTTCCAATGTACAAATGAGTCTGAGGCCCTCCCC
 ATGTTCAACGGACCCTGCGACTCCAAGATGAAACCTGACAGACTCAACTACTGTCCGCCACGTGCTGGCGG
 CATGGGCCCTGGGCGCAAGGCATTTTACTACCAGAAGAAGCCGGTGTCCCTTTGGGGAGCTCAGGATC
 CTCCCGTTTCTCCGACTGGAAGTTCATTACCACAATCCACGGAATATAACAAGGCCGGCGGACTCCTCT
 GGCATCCGTCTACACTACACAGCTAGTCTCCGACCCAATGAGGCAGGCATCATGGAGCTTGGACTGGTGT
 ACACGCCCTTGATGGCCATCCCCCTCAGGAGACCACCTTTGTTTTGACTGGCTACTGCACAGACAGGTG
 CACCCGATGGCACTGCCGAAATCTGGAATCCGCATCTTTGCCTCACAGCTCCACACGCACCTGACCGGC
 AGGAAGGTGATTACTGTGCTCGCCAGGGATGGCCAACAGAGGGAAGTGGTGAACAGAGACAACCACTACA
 GCCCCCACTTTCAGGAGATCAGAATGCTGAAGAATGCTGTGACTGTCCACCAGGGGGATGCTCCTCATCAC
 TTCGTGCACATACAACACAGAAAACAGGACAATGGCCACAGTGGGGGGTTTGAATCTTGGAGGAGATG
 TGCGTCAACTACGTCCACTACTACCCAAAACAGAGCTGGAGCTCTGCAAGAGTGCCGTGGATGATGGCT
 TCCTGCAGAAATACTTCCACATAGTAAACCGGTTCCGCAATGAGGAGGTGCACCTGCCCTCAGGCCTC
 TGTCGCCAGCAGTTCGCTCTGTGCCCTGGAACCTTTTCAATCGTGATATGCTCAAGGCTTTGTATAAC
 TATGCCCTATCTCTGTGCACTGTAACAAGACCTCTGCCGTCGCTTCCGGGTAAGTGGAACTGCAGC
 CTCTGCCTAAGATCACTTCCGCAGTGGAAGAACCAGCCACGCTGCCCCATCCGACAGACTCGGGGACC
 CGCCGGCCCTTCTGTGTCATCACCACGGAGGCAGACACTGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1561_a04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_013158

Insert Size: 1866 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_013158.2](#), [NP_037290.2](#)

RefSeq Size: 2250 bp

RefSeq ORF: 1866 bp

Locus ID: 25699

UniProt ID: [Q05754](#)

Cytogenetics: 3p12

Gene Summary: oxidoreductase that catalyzes the conversion of 3,4 dihydroxyphenethylamine, ascorbate, and O(2) to noradrenaline, dehydroascorbate, and H(2) in norephinephrine biosynthesis [RGD, Feb 2006]