

Product datasheet for RN201145

Dhodh (NM_001008553) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dhodh (NM_001008553) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Dhodh
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN201145 representing NM_001008553
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGTGGAGACAGCTGAGAAAGCGGGCCCTGGATGCAGTCATCATCCTTGGAGGTGGAGGACTTCTCT
 TCACCTTTACCTGACGGCCACAGGGGATGACCATTTCTATGCTGAGTACCTGATGCCAGGTCTGCAGAG
 GCTGCTTGATCCAGAGTCAGCCACCGGCTAGCTGTTTCGAGTCACCTCCCTGGGGCTCCTTCTCGAGCT
 ACATTTACAGGACTCCGACATGCTGGAAGTGAAAGTCTGGGCCATAAATTCGAAATCCAGTAGGAATTG
 CTGCAGGATTTGACAAGAAGCGGCAAGCTGTGGACGACTCTACAAGCTGGGCTTTGGTTTCGTTGAGGT
 AGGAAGTGTCACTCCCCAGCCTCAGGAAGGAAACCCAGGCTAGAGTATTCGTCTCCCGAGGACCAA
 GCTGTCATTAACAGGTATGGATTCAACAGCCATGGGCTCTCGGTGGTGAACACAGGCTACGGGCCAGAC
 AGCAGAAGCAGGCCAGCTCACTGCAGATGGGCTGCCTCTTGAATAAACCTGGGGAAGAATAAGACTTC
 GGAGGATGCTGCTGCAGACTATGCAGAGGGTGTTCGAACCCTGGGCCCTTGGCTGACTACCTGGTGGTA
 AACGTGTCCAGCCCCAACACTGCTGGTCTGAGGAGCCTACAGGGAAGACCGAAGTGCGCCACCTGCTGT
 CCAAGGTGCTGCAGGAGAGGGACGCTTGAAGGGCACACGAAGCCAGCAGTGTGGTGAAGATTGCCCC
 TGACCTCACGGCCAGGACAAGGAGGACATTGCCAGCGTGGCGAGAGAGCTGGGCATCGATGGACTGATT
 GTCACAAACACCAGTGAAGTGCCTGTTGGTCTCCAGGGTGTCTGCGCTCTGAGACAGGAGGACTGA
 GTGGGAAGCCACTCCGAGATCTGTGACTCAGACCATCCGGGAGATGTACGCCCTTACCAAGGCAGGAT
 TCCCATTATCGGGGTTGGTGGTGTGAGCAGCGGACAGGACGCTTGGAGAAGATCCAGGCAGGGGCTCC
 CTGGTGCAGCTCTACACAGCCCTCATCTTCTGGGACCACAGTCGTGGTCAAGGCTGAAGTGAAGTAG
 AGGCCCTTCTAAAAGAGCGGGGTTTTACCACAGTTACAGATGCCATTGGAGCAGATCATCGGAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001008553



Insert Size:	1188 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_001008553.1</u> , <u>NP_001008553.1</u>
RefSeq Size:	1536 bp
RefSeq ORF:	1188 bp
Locus ID:	65156
UniProt ID:	<u>Q63707</u>
Cytogenetics:	19q12
Gene Summary:	catalyzes the ubiquinone-mediated oxidation of dihydroorotate to orotate, in de novo pyrimidine biosynthesis [RGD, Feb 2006]