

Product datasheet for **RN213839**

Dmgdh (NM_139102) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmgdh (NM_139102) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dmgdh
Synonyms:	Me2GlyDH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213839 representing NM_139102
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTCCGCCTGGGCGCCTCAGGCTGCGGGCCCTCGCGTCCGGAGCTCCAGGGGCGCCCAAGCTCCG
 CCGGCCTCCGGGAAGGACAGGAAAGCCACCCTACCCCCAGAATGGAAGGACAGAGCAGAGACTGTGAT
 CATTGGAGGTGGCTGCGTGGGCGTGAGTCTGGCTTACCATCTGGCCAAGGCAGGGATGAGAGACGTGGTC
 CTGTTGGAGAAGTCGGAACCTCACGGCTGGCTCTACCTGGCACGCAGCAGGTTTAAACAACCTACTTTCACC
 CCGGGATAAACTTGAAGAAGATACATTATGACAGCATCAAACCTTACGAGAGGCTGGAAGAAGAACTGG
 ACAGGTGGTGGGTTCCATCAACCGGTAGTATCAGGCTTGCACAACTCCTGAAAGGTGGACGAATTT
 AAATACCAATGACGCGAACCAACTGGCATGCCACCGAGCAGTATATTATTGAGCCCCGAAAAATCCACG
 AGCTGTTCCCTTACTCAACATGGACAAGATTTAGCCGGACTGTATAACCCGGGAGATGGCCACATCGA
 TCCATATTCTCTGACGATGGCCCTGGCTACTGGAGCTAGGAAATATGGGGCCCTTCTAAAGTATCCTGCA
 CCAGTGACATCTCTGAAGCCAGGCCAGATGGGACATGGGACGTGGAGACTCCGCAAGGATCTGTGAGAG
 CAAATCGAATTGTGAATGCTGCGGGATTTGGGCTCGTGAAGTGGTAAAATGATTGGACTAGACCATCC
 CCTCATCCCTGTGCAACATCAATATGTCATCACATCAACAATCCCAGAAGTGAAGGCTTTGAAACGAGAA
 CTCCCAGTCCCTCGTGACTTGAAGGATCCTACTACCTCCGACAGGAAAGGGACGGGCTTTTGTGGTTC
 CCTATGAAAGTCAGGAGAAGATGAAACTCAAGCCTCCTGGTTCGCTCATGGAGTCCCTCCAGGCTTTGG
 GAAGGAACTTTTGTAGTCTGACTTAGACCGAATCACAGACACGTGGAAGCTGCCATGGAATGGTTCCT
 GTTCTGAAAAAGGCGGACATCATCAACATCGTCAACGGTCTATCACCTACTCTCTGACATTCTGCCTA
 TGGTGGGCCCCATCAGGGGGTCAGGAACTACTGGGTGGCCATTGGCTTTGGATATGGCATAATCCACGC
 CGGTGGGTCGGGACGTACCTCAGCGACTGGATCCTGCACGGAGAACCTCCCTTTGACCTGATAGAACTG
 GATCCCAACCGCTACGGCAAGTGGACGACGACGAGTACACCGAGGCCAAAGCCGAGAATCATACGGGT
 TCAACAACATTGTTGGTTATCCTAAAGAGGAACGGTTTGTGGGAGGCCAACCCAGAGAGTCAGTGGGCT
 CTACAAAATCCTGGAGTCCAAGTGTTCATGGGTTTCCATGCAGGCTGGGAACAGCCACACTGGTCTAC
 AAGCCCGCCAGGACACTCAGTATAGGCCAAGTTTCCGCCGACAAAAGTGGTTTGAGCCGGTGGGCTCTG
 AGTACAAACAGGTTATGCAAAGAGTTGGTGTGATTGACCTGTCTCCGTTTGGCAAGTTCAACATCAAAGG
 CCAAGATCCACCCAGCTTCTGGATCATCTCTGTGCAAATGTCATTCCCAAGTGGGTTTTACAAACATA
 AGTCACATGTTGACGCCAGAGGTCGAGTGTACGCTGAGCTGACTGTTTCCACCAATCTCTGGGGAGT
 TCTGTGATTACTGGCTCTGGGTCGGAACCTCACGATCTTAGATGGATTGAAGAAGCAGCCGTCAGAGG
 TGGCTATGATGTGAAATTCGAAACATAACCGATGAGCTTGGGGTCTGGGAGTAGCAGGGCCATATGCA
 AGGAGAGTCTTCAGAAGCTGACCTCAGAAGATCTCAGTGATGATGTCTTCAAGTTTCTTCAAACCAAGT
 CTTTAAAGATCTCTGACATTCCTGTCACTGCTATCAGGATCTCCTATACTGGTGAGCTGGGATGGGAGCT
 GTACCACAGACGAGAAGATTCGCGACCCCTTATGAGCCGATCATGAATGCGGGCCAGGAGGAGGGCAGC
 GACAATTTTGAACATATGCCCTGAATGCCTTAAAGACTGGAGAAGGCTTCCGGGCTGGGGTCAGAGA
 TGAAGTGTGACACAAACCCTTTGGAAGCTGGGCTGGACTATTTTCATCAAGCTGAACAAGCCAGCCAACTT
 CACAGGGAAGCAAGCGCTGAAGCAGATTAAGCCAAGGGGCTGAAGCGGAGACTGGTGTGCCTCACCTTG
 GCAACAGACAATGTGGATCCAGAGGGAATGAAAGCGTTTGGTACAAGGGCAAGGTGATTGGCAACACAA
 CATCTGGAAGCTACAGTTACAGCATCCAGAAGAGCCTGGCTTTTCTTATGTCCAGTTGAGCTCAGTGA
 AGTGGGACAACAAGTGGAGGTTGAACTACTGGGTAATAATACCCAGCAACCATTATACAGGAACCATTTG
 TACTCACAGAACCTACCAGAACCAGGCTTCAGAAAGTGGTAGGAAATCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_139102
Insert Size: 2574 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:	NM_139102.2 , NP_620802.2
RefSeq Size:	3011 bp
RefSeq ORF:	2574 bp
Locus ID:	245961
Cytogenetics:	2q12
Gene Summary:	Enzyme involved in choline catabolism [RGD, Feb 2006]