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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCCGCCTGGGCGCGCTCAGGCTGCGGGGCCTCGCGCTCCGGAGCTCCCAGGGGCGCCCAAGCTCCG
CCGGCCTCCGGGAAGGACAGGAAAGCCCACCCTCACCCCCAGAATGGAAGGACAGAGCAGAGACTGTGAT
CATTGGAGGTGGCTGCGTGGGCGTGAGTCTGGCTTACCATCTGGCCAAGGCAGGGATGAGAGACGTGGTC
CTGTTGGAGAAGTCGGAACTCACGGCTGGCTCTACCTGGCACGCAGCAGGTTTAACAACTTACTTTCACC
CCGGGATAAACTTGAAGAAGATACATTATGACAGCATCAAACTTTACGAGAGGCTGGAAGAAGAAACTGG
ACAGGTGGTGGGGTTCCATCAACCGGGTAGTATCAGGCTTGCGACAACTCCTGAAAGGGTGGACGAATTT
AAATACCAAATGACGCGAACCAACTGGCATGCCACCGAGCAGTATATTATTGAGCCCGAAAAAATCCACG
AGCTGTTCCCTTTACTCAACATGGACAAGATTTTAGCCGGACTGTATAACCCGGGAGATGGCCACATCGA
TCCATATTCTCTGACGATGGCCCTGGCTACTGGAGCTAGGAAATATGGGGCCCTTCTAAAGTATCCTGCA
CCAGTGACATCTCTGAAGCCCAGGCCAGATGGGACATGGGACGTGGAGACTCCGCAAGGATCTGTGAGAG
CAAATCGAATTGTGAATGCTGCGGGATTTTGGGCTCGTGAAGTGGGTAAAATGATTGGACTAGACCATCC
CCTCATCCCTGTGCAACATCAATATGTCATCACATCAACAATCCCAGAAGTGAAGGCTTTGAAACGAGAA
CTCCCAGTCCTTCGTGACTTGGAAGGATCCTACTACCTCCGACAGGAAAGGGACGGGCTTTTGTTTGGTC
CCTATGAAAGTCAGGAGAAGATGAAACTTCAAGCCTCCTGGGTCGCTCATGGAGTCCCTCCAGGCTTTGG
GAAGGAACTTTTTGAGTCTGACTTAGACCGAATCACAGAGCACGTGGAAGCTGCCATGGAAATGGTTCCT
GTTCTGAAAAAGGCGGACATCATCAACATCGTCAACGGTCCTATCACCTACTCTCCTGACATTCTGCCTA
TGGTGGGGCCCCATCAGGGGGTCAGGAACTACTGGGTGGCCATTGGCTTTGGATATGGCATAATCCACGC
CGGTGGGGTCGGGACGTACCTCAGCGACTGGATCCTGCACGGAGAACCTCCCTTTGACCTGATAGAACTG
GATCCCAACCGCTACGGCAAGTGGACGACGACGCAGTACACCGAGGCCAAAGCCCGAGAATCATACGGGT
TCAACAACATTGTTGGTTATCCTAAAGAGGAACGGTTTGCTGGGAGGCCAACCCAGAGAGTCAGTGGGCT
CTACAAAATCCTGGAGTCCAAGTGTTCCATGGGTTTCCATGCAGGCTGGGAACAGCCACACTGGTTCTAC
AAGCCCGGCCAGGACACTCAGTATAGGCCAAGTTTCCGCCGCACAAACTGGTTTGAGCCGGTGGGCTCTG
AGTACAAACAGGTTATGCAAAGAGTTGGTGTGATTGACCTGTCTCCGTTTGGCAAGTTCAACATCAAAGG
CCAAGATTCCACCCAGCTTCTGGATCATCTCTGTGCAAATGTCATTCCCAAGGTGGGTTTTACAAACATA
AGTCACATGTTGACGCCCAGAGGTCGAGTGTACGCTGAGCTGACTGTTTCCCACCAATCTCCTGGGGAGT
TCCTGTTGATTACTGGCTCTGGGTCGGAACTTCACGATCTTAGATGGATTGAAGAAGCAGCCGTCAGAGG
TGGCTATGATGTGGAAATTCGAAACATAACCGATGAGCTTGGGGTCCTGGGAGTAGCAGGGCCATATGCA
AGGAGAGTCCTTCAGAAGCTGACCTCAGAAGATCTCAGTGATGATGTCTTCAAGTTTCTTCAAACCAAGT
CTTTAAAGATCTCTGACATTCCTGTCACTGCTATCAGGATCTCCTATACTGGTGAGCTGGGATGGGAGCT
GTACCACAGACGAGAAGATTCTGCAGCCCTTTATGAGCGGATCATGAATGCGGGCCAGGAGGAGGGCATC
GACAATTTTGGAACATATGCCCTGAATGCCTTAAGACTGGAGAAGGCTTTCCGGGCCTGGGGGTCAGAGA
TGAACTGTGACACAAACCCTTTGGAAGCTGGGCTGGACTATTTCATCAAGCTGAACAAGCCAGCCAACTT
CACAGGGAAGCAAGCGCTGAAGCAGATTAAAGCCAAGGGGCTGAAGCGGAGACTGGTGTGCCTCACCTTG
GCAACAGACAATGTGGATCCAGAGGGAAATGAAAGCGTTTGGTACAAGGGCAAGGTGATTGGCAACACAA
CATCTGGAAGCTACAGTTACAGCATCCAGAAGAGCCTGGCTTTTGCTTATGTCCCAGTTGAGCTCAGTGA
AGTGGGACAACAAGTGGAGGTTGAACTACTGGGTAAAAATTACCCAGCAACCATTATACAGGAACCATTG
GTACTCACAGAACCTACCAGAACCAGGCTTCAGAAAGATGGTAGGAAATCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_139102

Insert Size: 2574 bp

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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_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]

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