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Product datasheet for SC206697

DMGDH (NM_013391) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: DMGDH (NM_013391) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: DMGDH

Synonyms: DMGDHD; ME2GLYDH

ACCN: NM_013391

Insert Size: 548 bp

Insert Sequence:

>SC206697 3'UTR clone of NM_013391
The sequence shown below is from the reference sequence of NM_013391. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGAAAAAAGGTGGAAAGGACAAAACTTGAAAAAAGACCTTCAGCAGTCAACTGAATTAGAGTTGCTAA
TGACTGTCCTTGAAATTATTATAACTGGCTCCCAGGGGAATAGAGGAAACCAGGAATTCATTTCAAAAT
CATCAAAGTCTAAATTTAGAATCTTAATGAAACCTTTCTGTTAAGTGTTTTCTAAGCAAGACAGAATAA
TAGATAAATGATTTACATTGTTCTTTTAAATGAAGAAATTTGAAATGAATGTTTTTTTATTTACCCCAC
ATTACCCAATCAGTAAAACATTTAGGTGTTTGCTAATATACACAATCATTACTATAACCTAATTAAGGG
ACATTTTATAATTTTAGTAACAAATGCATTCGGTTCTTGACAGCTGAAAACAAATTAATAAATTATCTT
TTACATAAAAACATGTACAATATTGTTTATGGATTTACTTCTTTGAGAAATCTTTCCTTAGATGAATAA
ATGAAAGTTTTAATTTTTCATGATATATCTGTGATGAAAATAGTAAAACTTAACATTGACATATA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_013391.3

View online »

Summary: This gene encodes an enzyme involved in the catabolism of choline, catalyzing the oxidative demethylation of dimethylglycine to form sarcosine. The enzyme is found as a monomer in the mitochondrial matrix, and uses flavin adenine dinucleotide and folate as cofactors. Mutation in this gene causes dimethylglycine dehydrogenase deficiency, characterized by a fishlike body odor, chronic muscle fatigue, and elevated levels of the muscle form of creatine kinase in serum. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Locus ID: 29958

MW: 21.1