OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC223089L3V

DMGDH (NM_013391) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DMGDH (NM_013391) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DMGDH
Synonyms:	DMGDHD; ME2GLYDH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_013391
ORF Size:	2598 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223089).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_013391.2
RefSeq Size:	3104 bp
RefSeq ORF:	2601 bp
Locus ID:	29958
UniProt ID:	Q9UI17
Cytogenetics:	5q14.1
Domains:	DAO, GCV_T
Protein Pathways:	Glycine, serine and threonine metabolism, Metabolic pathways

View online »

MW: 96.81 kDa

Gene 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]