

Product datasheet for **MR224057**

Dmgdh (NM_028772) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmgdh (NM_028772) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dmgdh
Synonyms:	1200014D15Rik; A1787269
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR224057 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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Protein Sequence:

>MR224057 protein sequence
 Red=Cloning site Green=Tags(s)

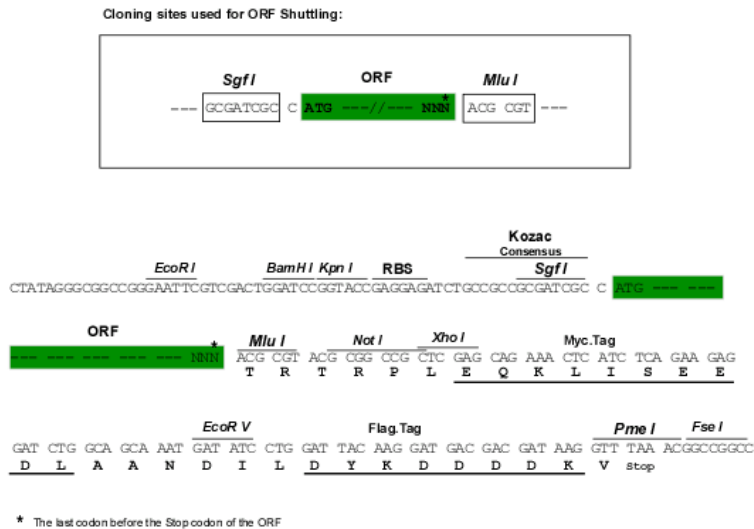
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 GDFGTALNALRLEKAFRAWGSEMNCNTNPLEAGLEYFVKLNKPADFIGKQALKQIKTEGLKRRLVCLTV
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Restriction Sites:

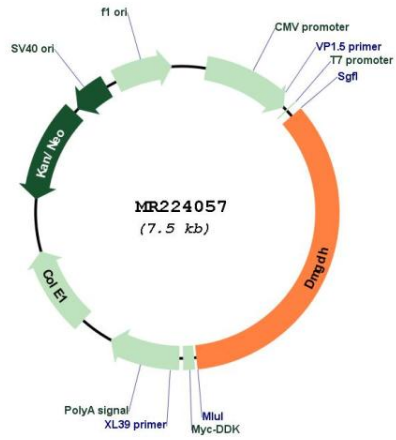
SgfI-MluI

Cloning Scheme:



ACCN:	NM_028772
ORF Size:	2610 bp
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.
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_028772.1 , NM_028772.2 , NM_028772.3 , NP_083048.1
RefSeq Size:	2979 bp
RefSeq ORF:	2610 bp
Locus ID:	74129
UniProt ID:	Q9DBT9
Cytogenetics:	13 C3
MW:	97.2 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. [provided by RefSeq, Jul 2013]

Product images:



Circular map for MR224057