

## Product datasheet for **MR200175**

### Dpm2 (NM\_010073) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dpm2 (NM\_010073) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dpm2  
**Synonyms:** AW557993; R75484  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200175 representing NM\_010073  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACCGGGACAGACCAAGCAGTAGGATTTGGCCTTGTCCCGTTAGCTTGATCATCTTCACCTACT  
ACACCACTGGGTGATTCTCTTGCCATTCATTGACAGCCAGCATGTCATCCACAAATACTTCCTGCCCG  
CGCCTACGCCGTCCTCCTCCCGTTGGCCGAGGCCTCCTGCTGCTCTATTTGTGGGATTGTTATCACC  
TATGTGATGCTGAAGAGCCAGAAGATAACCAAGAAGGCTCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200175 representing NM\_010073  
 Red=Cloning site Green=Tags(s)

MATGTDQAVGFGLVAVSLIIFTYYTTWILLPFIDSQHVHVKYFLPRAYAVLLPLAAGLLLLLVGLFIT  
YVMLKSQKITKKAQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9026\\_d03.zip](https://cdn.origene.com/chromatograms/mm9026_d03.zip)

**Restriction Sites:** Sgfl-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM\_010073

ORF Size: 252 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:
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\\_010073.2](#), [NP\\_034203.1](#)

RefSeq Size: 877 bp

RefSeq ORF: 255 bp

Locus ID: 13481

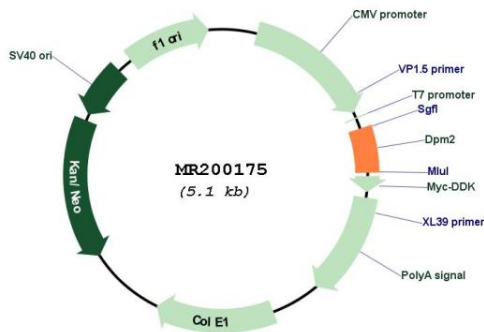
UniProt ID: [Q9Z324](#)

Cytogenetics: 2 B

MW: 9.8 kDa

**Gene Summary:** Regulates the biosynthesis of dolichol phosphate-mannose. Regulatory subunit of the dolichol-phosphate mannose (DPM) synthase complex; essential for the ER localization and stable expression of DPM1. When associated with the GPI-GlcNAc transferase (GPI-GnT) complex enhances but is not essential for its activity (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200175