

Product datasheet for **MC208406**

Dpm1 (NM_010072) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dpm1 (NM_010072) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dpm1
Synonyms: AI118379; AI194292
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208406 representing NM_010072
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTTCCACGGGGCGAGTCGCAGTCTTGCTGCGTCTCCGCGCCGCCGAGGGCCGCTCCTCGCGAC
AGGACAAGTACTCGGTGCTGTTGCCACCTACAACGAACGGGAGAACCTGCCGCTCATCGTGTGGCTGCT
GGTGAAGAGCTTCTCCGAGAGTCAATCAACTATGAAATTATAATCATAGATGATGGAAGCCAGACGGG
ACAAGAGAAGTTGCTGAACAACGGCAGAGATCTATGGGCCCGACAGAATTCTCCTAAGACCACGAGAGA
AAAAGCTGGGTCTCGGAAGTGCCTACATTCATGGAATCAAACACGCCACGGGGAATATGTGATCATCAT
GGATGCTGACCTCTCCACCATCCCAAATTTATTCCTGAATTTATCAGGAAACAAAAGGAGGGTAATTTT
GATATTGTCTCTGGAAGTACGATACAAGGGGAATGGGGGTGTTTATGGATGGGATTTGAAAAGAAAGATAA
TCAGCCGTGGGGCAATTTATAACTCAAATTCGCTGAGACCTGGAGCGTCAGACTTAACAGGAAGCTT
CAGATTATACGAAAAGAAGTTCTACAGAAATTAATAGAAAAATGTGTCTCAAAGGCTATGTCTTTTCAG
ATGGAAATGATTGTTTCGAGCAAGACAGATGAATTACACTATTGGTGAGGTTCCAATTTTCATTTGTGGATC
GAGTTTATGGTGAATCCAAGTTGGGAGGAAATGAAATAGTCTCGTCTCTGAAAGGTTATTGACTCTCTT
TGCTACCACATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010072
Insert Size: 783 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:	<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_010072.4 , NP_034202.1
RefSeq Size:	2303 bp
RefSeq ORF:	783 bp
Locus ID:	13480
UniProt ID:	O70152
Cytogenetics:	2 H3
Gene Summary:	<p>Transfers mannose from GDP-mannose to dolichol monophosphate to form dolichol phosphate mannose (Dol-P-Man) which is the mannosyl donor in pathways leading to N-glycosylation, glycosyl phosphatidylinositol membrane anchoring, and O-mannosylation of proteins; catalytic subunit of the dolichol-phosphate mannose (DPM) synthase complex. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>