

## Product datasheet for **SC111815**

### DPM3 (NM\_018973) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DPM3 (NM_018973) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPM3
Synonyms:	CDG10; MDDGB15; MDDGC15
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018973, the custom clone sequence may differ by one or more nucleotides

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ATGCTCTCCGTGGGCGGCTTCGGTTGAGTTTGGTCCGCTTTTCCTTTCTGCTCCTCAGGGGAGCATTGC
TTCCTTCTCTCGCAGTGACCATGACGAAATTAGCGCAGTGGCTTTGGGGACTAGCGATCCTGGGCTCCAC
CTGGGTGGCCCTGACCACGGGAGCCTTGGGCCTGGAGCTGCCCTTGTCTGCCAGGAAGTCTGTGGCCA
CTGCCCGCCTACTTGCTGGTGTCCGCCGGCTGCTATGCCCTGGGCACTGTGGGCTATCGTGTGGCCACTT
TTCATGACTGCGAGGACGCCGACGCGAGCTGCAGAGCCAGATACAGGAGGCCCGAGCCGACTTAGCCCG
CAGGGGGCTGCGCTTCTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_018973 unedited</p> <p>CACTATAGGGNNCGCCGCGTAATTCGGCACGAGTGCCGGGCCGCGCGGGGAAGGGAGAC          GTGGGGTAGAGTGACCATGACGAAATTAGCGCAGTGGCTTTGGGGACTAGCGATCCTGGG          CTCCACCTGGGTGGCCCTGACCACGGGAGCCTTGGGCCTGGAGCTGCCCTTGTCTGCCA          GGAAGTCTGTGGCCACTGCCCCCTACTTGTGGTGTCCGCCGCTGCTATGCCCTGGG          CACTGTGGGCTATCGTGTGGCCACTTTTCATGACTGCGAGGACGCCGCACGCGAGCTGCA          GAGCCAGATACAGGAGGCCGAGCCGACTTAGCCCGCAGGGGGCTGCGCTTCTGACAGCC          TAACCCATTCTGTGCGGACAGCCCTTCTCCATTTCCATTAAAGAGCCAGTTTATT          TTCTAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCC          TGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCACTGCCTCTCCTGGCCCTGGAA          GTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCT          GACTAGGTGTCTTCTAAATATTATGGGGTGGGGGGTGGGTATTTGGNCCAAGGGCA          AGTTGGGAAGACAACCTGTAGGGCTGCGGGTCTATTGGGAACCAAGCTGAGTGCAGT          GGCACAATCTGGCTCACTGCAATCTCCGCTCCTGGTTCAAGCGATTCTCTGCCTCAG          CCTCCGAGTTGTTGGGATTTCCAGCATGCATGACCAGGCTCAGCTAATTTTTGTTTTT          TTGGTAGAGACCGGGTTTACATATTGGCCAGGGCTGGTCTCCAACCTATCTCAAG          TGATCTT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_018973 unedited</p> <p>GTACCGCGGCACGCAATCTAGTGTGCGAGTTTTTTTTTTTTTTTTTTTTTAAAAAAAAGTGGC          TCTTTAATGGGAAATGGGAGGAAGGGCTGTCCGCACAGGAATGGGGTTAGGCTGTCAGAA          GCGCAGCCCCCTGCGGGTAAGTCGGCTCGGGCCTCCTGTATCTGGCTCTGCAGCTCGCG          TGCGGCGTCTCGCAGTCATGAAAAGTGGCCACACGATAGCCACAGTGCCAGGGCATA          GCAGCCGCGGACACCAGCAAGTAGGCGGGCAGTGGCCACAGGACTTCTGGCAGGACAA          GGGCAGCTCCAGGCCAAGGCTCCCGTGGTCAGGGCCACCCAGGTGGAGCCAGGATCGC          TAGTCCCCAAAGCCACTGCGCTAATTTCTGTCATGGTCACTCTACCCACGCTCTCCCTTC          CCCGCGCGCCCGGCCTCGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTACAAA          ATTCTGACGGTCACTAAACGAGCTCTGCTTATATAGACTCCCACCGTACACGCCTACC          GCCCATTTGCGTCAACGGGGCGGGTATTACGACATTTGGAAGTCCCCTTGGATTTTG          GTGCCAAAACAACTCCCATTGACGTCAATGGGGTGGAGACTTGGAAATCCCCGTGAGTC          AAACCGCTATCCACGCCATTGGTGTACTGCCAAAACCGCATCACCATGGGTATAGCGAT          GACTAATACGTAGATGTACTGCCAAGTAAGAAAGTCCCGTAAGTATGTACTGGGGCATA          TGCCAGCGGCCATTTACCGTATTGACGTATAAGGGGCGGACTTGGCATATGAACAC          TTGAGTACTGCCAGTGGGCAAGTTACCGTATACTNACCATGACGTATGGAAGTCTAT          TGGCGTACTATGGGACTACGCATATGACTCAATGGGCGGGTCTGGCCGTCACCCAGCG          GCCTTTACGANAGTTGNACGCGGACCCTTTTGGCTTGACTATG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018973
<b>Insert Size:</b>	460 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_018973.1</a> , <a href="#">NP_061846.1</a>
<b>RefSeq Size:</b>	532 bp
<b>RefSeq ORF:</b>	279 bp
<b>Locus ID:</b>	54344
<b>UniProt ID:</b>	<a href="#">Q9P2X0</a>
<b>Cytogenetics:</b>	1q22
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Metabolic pathways, N-Glycan biosynthesis
<b>Gene Summary:</b>	<p>Dolichol-phosphate mannose (Dol-P-Man) serves as a donor of mannosyl residues on the luminal side of the endoplasmic reticulum (ER). Lack of Dol-P-Man results in defective surface expression of GPI-anchored proteins. Dol-P-Man is synthesized from GDP-mannose and dolichol-phosphate on the cytosolic side of the ER by the enzyme dolichyl-phosphate mannosyltransferase. The protein encoded by this gene is a subunit of dolichyl-phosphate mannosyltransferase and acts as a stabilizer subunit of the dolichyl-phosphate mannosyltransferase complex. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>