

## Product datasheet for **MC221541**

### **Dpy19l2 (NM\_001166207) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dpy19l2 (NM_001166207) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dpy19l2
Synonyms:	4932443J21Rik; Gm18376
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221541 representing NM\_001166207  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGGGGCCGACAAGGAGTAAGCTCAGGGAAGGGAGCTCCGACAGGCCACAATCTCCTGCACGGGGC  
 AGGCGAGGAGGAGGTGGAGCGCAGCGACCATGGAGCCCCAGCAGGAGCGAAGCGGCCCCAGGAGAGAAC  
 GAAGTGGTCGTTGCTGCAGCATTTCCTCCTAGGCGGCAGGAAACTGCCCTCGGGTCTCGCAACTACGCG  
 GCGCGGAGGATCCAAAGTCTGAACGCACAAAATTACTTTCAGCTGGAAGAGGTGCGCAAGCTCCTTCTTC  
 TTAACCGTTCCAATTCCTTCTCACTCTCTGGACCCTTTCGCGAAAAGGTGCAGGCACTGCAGATGCA  
 TCGTTTCTCCACAGGACCCTCTTGGCCTAGCTATCTTGTGGGGATTTTGCACCTGTTACACTTAATA  
 ACACCTTTTGAAAATGATCATCATTTTTCTCACCTTTCATCTTGAACGGGAGATGACTTTTCGCACAG  
 AAATGGGACTTTATTATCCTACTTCAAGACCATTATCGAAGCACCTTCGTTTCTGGAAGGACTGTGGAT  
 GATCATGAATGACAGGCTCACTGAGTATCCCCTGGTAATCAACACAGTGAACCGTTCCATCTTTACCCA  
 GAGGTAGTCATAGCCTACTGGTATCGCACAAATCATAGGAATAATGAATTTATTTGGGATAGAAACTAAGA  
 CATGTTGGAACGTCACCAGAATGGAGCCTCTTAATGAAGTTCAGAGCTGTGAAGGATTGGGAGACCCAGC  
 TTGCTTTTACATCGGAGTAATTTTTATTTAAATGGACTAATGATGGGCTTGTCTTTCATATACAGTACA  
 TACCTGAGTGGGAGTCAGTTAGGAGGTCTGATTACAGTAGCCTGTACTTTTTCAATCATGGAGAGGCCA  
 CCCGTGTGATGTGGACACCGCCTCTCCGGGAAAGTTTCTCCTACCCATTCCTTGTACTTCAGATGTACAT  
 CTTAACTATAATCCTCAGGACCTCCACCGTTCACAAAAACACTACATGGCTCTCTGCTTCTCCAACGTC  
 GCTTTTATGCTCCGTGGCAGTTTGCTCAGTTTATACTTTTTACACAGATAGCCTCATTATTTCCCATGT  
 ATGTTGTGGGATACATTGAGCCAAGCAAATTTCAGAAGATCATTATGTCAATATGAGTTCGGTTGCCCT  
 ATGCTTCATTTTGTGTTGGGAATTCATGTACTTAAAGTTCATATTATTCCTCATGTTTGTAGTGACA  
 TGGGCAATAATGCAAAAGAAAAGCAAATCCAAAAATGGGAGGCACTGAACTTCAGTTTTGGCTAATCC  
 AAGGCTGTTTTGGTGGTGTGGAACAATATTTTTGAAATTTCTGACATCTAAAATCTGTGGTGTTCAGA  
 CCATATTCGCCTGAGTGACCTTATAGCAGCCAGAATACTAAGGTATACAGATTTTGATACCTAATATAC  
 ACCTGTGCTCCCGAATTTGACTTCATGGAACAAGCGACTCCGCTGAGATATATAAAAACATTATTGCTTC  
 CACTTATCCTAGTGATTACTTATCTTATCTTTAAAAAGATTGTTCTGTGATATCATGTGTCTTATATAC  
 AAACACTTATGTAAGAAAACAGCTTCTTGACAACGCTGAGTTGATTTCCACACCTGCAGTTGCTGGCA  
 TTCACAGGCTTGGCCATCTTAATCATGCGGTTGAAGCTGTTTCTGACCCCCACATGTGCATTATGGCTT  
 CCTTGATCTGCTCACAACGGCTCTTGGCTGGCTTTTTGCGAATTCATTTTGAGAATGTTGTCTTCGG  
 CATTCTGACAATGATGTCAATACAAGGTTGTGCAATCTCCATAACCAATGGAGCATAATGGGAGAATTT  
 ACTAACTTGCCTCAGGAAGAGCTCATACATTGGATCAAACACAGCACCAGGCCAGATGCCGCTTTTGCGAG  
 GTGCCATGCCTACAATGGCAAGCATCAAGCTGTCTACACTGCGTCCAATTGTGAACCACCCACACTATGA  
 GGACGCAGACTTGAGGGCTCGGACAAAAATAGTTTATTCTGTGTATAGTCGAAAACTGCAGTAGAAGTG  
 AGAAATAATCTGTTGAAATTACATGTGAATTATTATGTTCTAGAAGAGGCATGGTGTGTCGTGAGAACAA  
 AACCTGGTTGCAGCATGCTTGAATATGGGATGTGGAAGACCCGTCACACGCAGCTAACCCCTCCCCTCTG  
 CAGTATCCTGCTCAAGGATTCTCGGCCGTACTTACCACAGTGTTCAGAATAGTATGTACAGAGTACTG  
 AAGATTAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001166207  
**Insert Size:** 2322 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_001166207.1</a> , <a href="#">NP_001159679.1</a>
<b>RefSeq Size:</b>	3441 bp
<b>RefSeq ORF:</b>	2322 bp
<b>Locus ID:</b>	320752
<b>UniProt ID:</b>	<a href="#">P0CW70</a>
<b>Cytogenetics:</b>	9 A4
<b>Gene Summary:</b>	Probable C-mannosyltransferase that mediates C-mannosylation of tryptophan residues on target proteins. Required during spermatogenesis for sperm head elongation and acrosome formation (By similarity).[UniProtKB/Swiss-Prot Function]