

## Product datasheet for **MC221339**

### **Dpy19l1 (NM\_172920) Mouse Untagged Clone**

#### **Product data:**

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | Dpy19l1 (NM_172920) Mouse Untagged Clone      |
| Tag:                      | Tag Free                                      |
| Symbol:                   | Dpy19l1                                       |
| Synonyms:                 | 1100001I19Rik; 6030402K12; AI225861; AW558481 |
| Mammalian Cell Selection: | Neomycin                                      |
| Vector:                   | pCMV6-Entry (PS100001)                        |
| E. coli Selection:        | Kanamycin (25 ug/mL)                          |



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## Fully Sequenced ORF:

>MC221339 representing NM\_172920

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGGTCCTGCAGGCGCGGAGCAAGCACCGGACGCGGCTCCAGGCCGCCCGGTCGGCCCGCTCGTCGC  
CGCCGCCACTGAGCGGGGCATCCGAGGTGGACGCCGGGAGCTGGGGTCGGAGCGCACGCCGCCGTCGCC  
GGGGCGCAGGGCGCGCGGGCAGGAAGGACCCCGCGCAGGACCGCCGCGCCCGCCCGGACGGCCTC  
GCGGGCCGCTGGCGGCCGGGCTGCACTGGGCGCTGGGCTGCGGCGCGGGCGCGGCCGGACCTGGAGCA  
CGCTGCTGCTAGCTTCTTTGCACTCTATTGCACTGGAGCCACATAACGCACCTCTTTGAAACGATCG  
GCATTTCTCTACCTCTCAACGCTGAAAGGGAGATGGCTTCCGCACTGAAATGGGGCTGTATTACTCT  
TACTTCAAGACTATTGTGAAGCACCTCATTTTTGAATGGAGTATGGATGATAATGAATGACAAGCTGA  
CTGAATACCCCTTGTATTAAACACATTAAGGTTCAATCTTACCCTGAGGTGATCTTAGCCAGCTG  
GTACCGGATTTATACAAAATAATGGATTTGATTGGTATCAAACCAAGATCTGCTGGACAGTTACCCGA  
GGAGAAGGACTCAGTCCGATTGAGAGCTGTGAGGGATTGGGCGATCCTGCTTGTCTTTATGTTGCTGTA  
TTTTATGTTAAATGGACTAATGATGGCATTATCTTTCATATATGGCACATATTAAGTGGCAGCCGATT  
GGGAGGCGTGGTCACAGTGCTGTGCTTCTTTTCAATCATGGAGAGTGTACGCGCGTAATGTGGACGCCA  
CCTCTCCGAGAAAGCTTCTCATACCATTCCTTGTGCTGCAGATGTTGCTTGTGACCCATATTCTCAGGG  
CTCCAGAGCTTTGAGAGGGAGTCTGATTGCACTCTGCATCTCCAACGTGCTCTTCATGCTGCCCTGGCA  
GTTTGCCAGTTCTGCTTCTTACTCAGATTGCATCATTATTTGCCGTGTATGTTGTGGGATACATTGAT  
ACACACAAATTACAGAAGATCATTTATATGCATGATTTCTCTTGTGCTTTGCTTGTGTTGATGTTT  
GGAATCGATGTTACTAACATCTTATTATGCATCGTCTTTGGTAATTATTTGGGCATGCTGGCAATGAA  
GCCCCAGTTCCTAAGAATGAATGTATCTGAACCTCAGCTTATGGGTATCCAAGGGTGTGGTTGGTTGTTT  
GGAATGTTATACTCAAGTCTGTGACTTCCAGGATCTTTGGCATTGCAGATGATGCTCATATTGGCAACT  
TATTAACATCAAATCTTCAGTTACAAGGATTTTGATACTTTACTATATACTTGTGCAGCCGAGTTTGA  
CTTCATGGAGAAGGAGACTCCGCTGCGATACACGAAGACACTGCTGCTTCCCGTGGTTCTGGTCACCGTC  
GCTGCCATTGTTAGAAAGATTTTAAATGATATGCGGGGTGTCGTAGCTAAACAACGGACACATAAAGAA  
AACAACAATTTGAACATGGAGAGTTGGTTTACCACGCTCTGCAGCTGTTAGCGTACACAGCCCTTGGTGT  
TCTGATCATGAGACTGAAGCTCTTCTGACACCACACATGTGTGTTATGGCATCCTTGATCTGTTCCAGA  
CAGCTGTTTGGATGGCTCTTTGGCAAAGTGCATCCCGGTGCTGTTGTCTTTGCTATATTAGCAGCAATGT  
CTATTCAGGTTTCAGAAACCTACAAACCCAGTGAACATTGTAGGGGAGTTCAGCAATTTACCACAAGA  
AGAACTCATAGAATGGATCCGATACAGCACAAAACAGATGCAGTGTTCAGGGCGCCATGCCACCATG  
GCAAGTGTGAAGCTCTCTGCTCTCCGACCCGTGGTGAACCAACCCACATTATGAAGATGCAGGTCTAAGAG  
CCAGAACAAAAATAGTATACTCAATGTATAGCCGGAAGCGCCGAGGACGTGAAGAAGGAATTGATGAA  
ATTTAAAGTGAATTACTACATTTTGAAGAGTCATGGTGCATAAGAAGATCCAAGCCTGGATGCAGCATG  
CCTGAAATCTGGGATGTAGAGGATCCAGACAACGCTGGGAAAACCTCCCTGTGCAACATCTTGGTGAAGG  
ATTCGAAGCCTCACTTTACCACAGTGTTCAGAACAGTGTTCAAAAGTCCTAGAAGTCTCAGACAGTG  
A

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

## Restriction Sites:

Sgfl-Mlul

## ACCN:

NM\_172920

## Insert Size:

2241 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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_172920.4, NP_766508.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 4753 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2241 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 244745                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>A6X919</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 9 A4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | Probable C-mannosyltransferase that mediates C-mannosylation of tryptophan residues on target proteins.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                  |