

## Product datasheet for **MC223228**

### Dpyd (NM\_170778) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dpyd (NM\_170778) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dpyd  
**Synonyms:** AI315208; DPD; E330028L06Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223228 representing NM\_170778  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGGCGGGTGTGCTGAGCAGGGACGCGCCGGACATCGAGAGTATCCTGGCTTTAAACCCTCGAGTACAAG  
 CTCATGCAACTCTGCGTTCACCGCAGCAAGAACTAGACAAGAACTGGAAAAGGAACACGGACAA  
 GAACTGCTTTACCTGTGAGAAGCTGGAGAGTAATTTTGTGACATCAAGCACACGACTCTTGGTGAGCGA  
 GGAGCTCTCCGAGAAGCAGTGAGATGCCTGAAGTGCGCAGATGCTCCCTGCCAGAAGAGCTGTCCACAT  
 CTCTTGACATTAATCATTTATCACAAGTATCGCCAACAAGAATACTATGGTGACGTAAGCTGATTTT  
 TTCTGATAACCCTCTTGGTCTTACTTGTGGAATGGTTTGTCCAACATCTGACCTCTGTGTGGAGGATGC  
 AACTTACATGCTGCTGAAGAGGGACCAATTAATATTGGTGGGCTGCAGCAGTTTGTACTGAGGTGTTCA  
 AAGCAATGAACATCCACAGATCAGAAACCCATCGCTGCCTCCTCCGGAACATATGCCGGAAGCCTACTC  
 AGCAAAAATTGCACTTTTTGGTGCAGGGCCTGCGAGTAAAGCTGTGCCTCCTTTTTGGCTCGGTGGGC  
 TATTTCAACATTAATAATCGAAAAACAAGAATATGTTGGTGGTTAAGCACTCTGAAATCCCTCAGT  
 TTCGACTCCCATATGACGTCGTGAATTTTGGATTGAGCTCATGAAGGACCTTGGTGTAAAGATAATTTG  
 TGGTAAAAGCCTTTCCACCGATGAAATGACTCTTAGCTCTTTGAAAGAAAATGGCTACAGAGCTGCATTT  
 ATTGGAATAGGCTTGCCAGAACCACAAAAGGACCATAATTTTCAAGGCTTGACACAAGTCCAGGGATTTT  
 ACACATCTAAAGACTTTCTGCCACTTGTGCGCAAAAGCAGTAAAAAGGAATGTGCGCCTGTCACTCTCC  
 ATTGCCATCCATAAGGGGAGCCGTGATTGTACTCGGAGCTGGAGATACTGCGTTTACTGTGCAACATCC  
 GCTCTGCGCTGTGGAGCCCTTCGCGTGTTCATCGTCTTCAGAAAGGGCTTTGTTAATATTCGAGCTGTC  
 CAGAGGAGATGGAGCTCGCTAAGGAAGAGAAAATGTAATTTTGCCTTTCCTCTCGCCACGGAAGTTAT  
 AGTCAAAGATGAAAAGATTGTGGCAATGCAATTTGTTGCAACTGAGCAAGATGAAACCGGAACTGGGTG  
 GAAGATGAAGAGCAGACGGTGGCTAAAGGCTGATGTGTTATTAGTGCCTTTGGATCTGTCTCGGAGG  
 ATCCCAAAGTGAAGAAGCATTGAGTCCATCAAGTTTAAAGATGGGGTCTCCGAGAAGTAAATCCAGA  
 AACCATGCAAACAGTGAACCATGGGTGTTGCAAGTGGTGTGTTGTTGGGTATGGCTAACACCACAGT  
 GAATCTGTCAACGATGAAAAGCAAGCTTCATGGTACATTCACAAGCACATACAGGCACAATATGGAACCT



CAGTGCCTTCTCAGCCTACAATGCCCTATTTTACACTCCGGTTGACTTAGTGGACATCAGCGTGAAAT  
 GGCAGGGTTGAGGTTTCCCAATCCCTTTGGCCTTGCCAGTGCGACACCAGCCACTAGCACACCAATGATT  
 CGAAGGGCCTTTGAAGCTGGCTGGGTTTTGCTCTGACCAAACTTTCTCTTTGATAAGGACATCGTGA  
 CAAACGTCTCACCAAGAATCATCCGGGGGACAACCTTGGCCCTTGTATGGCCCTGGACAAAGTCCTT  
 TCTTAACATTGAGCTCATCAGTGAGAAAACAGCTGCATATTGGTGTACAGTGTACCCGAACTAAAGGCT  
 GACTTCCCAGACAATATCCTGATCGCCAGCATGTGCAGTTACAACAAGAGTGACTGGATGAACTCT  
 CCAAAATGGCTGAGGCTTCTGGAGCAGATGCCCTGGAGTTAAATTTATCGTGTCCACATGGCATGGGGGA  
 GAGAGGAATGGCCTGGCTTGTGGCAGGATCCAGAGCTGGTGAGGAACATCTGTCGCTGGGTTAGGCAA  
 GCTGTTCCGGTCCATTTTTGCCAAGTTGACCCCAAATGTCAGTGTATTGTAAGCATCGCAAGAGCAG  
 CAAAGGAAGGTGGAGCAGATGGTGTAAACAGCCACCAACACCGTCTCGGGTCTGATGGGACTGAAAGCTGA  
 TGGCACACCCTGGCCTGCTGTGGCATTGGAAGGAGGACTACATATGGAGGAGTGTGAGAACTGCTATC  
 AGGCCATTGCTTTGAGAGCTGTGACCCGCTTGGCCGCTTTGCTGGGTTTCTATTTTGGCCACAG  
 GTGGAATTGACTCAGCTGAAAGTGGACTTCAGTTTCTCATAGTGGTGTTCAGTTCTTCAGGTATGCAG  
 CGCTATTCAGAATCAGGACTTCACTGTGATTGAAGATTACTGCACTGGACTCAAAGCCCTGCTTTATCTG  
 AAGAGCATTGAAGAGTTAGCAGACTGGGATGGTCAGAGTCCACCATTATAAGTCATCAGAAAGGAAAC  
 CAGTTCACGCGTTGCTGAGCTCATGGGACAGAAACTGCCAGCTTTGGACCTTACCTTGAACAGCGCAA  
 GAAAATCATAGCAGCAAGCAAAATCAGACAGAAAGATCAAAACACAGCTTGTCTCACCTCTCCAGAGAAA  
 CACTTTAACTCGCAAAAGCCTATTCTGCCATCAAGGATGTAATTGAAAATCACTGCAATACCTGGGAA  
 CATTGGTGTGAGATGAGCATCATGGAACAAGTTGTGGCCCTGATCGATGAGGAAATGTGCATCAATTGCGG  
 CAAATGTTACATGACCTGTAATGACTCTGGCTACCAGGCTATCCAGTTCGATCCAGAAACTCACCTGCCT  
 ACCGTTAGCGACACATGTACAGGCTGTACTCTGCTCAGCGTCTGCCCTATTATGGACTGTATCAGGA  
 TGGTTTTCCAGGGCAACACCTTATCAACCAAGAGAGGCCTACCATTAGCCGTGAAGCCGGTGTGTAA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_170778

**Insert Size:**

3078 bp

**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:**

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\\_170778.2](#), [NP\\_740748.1](#)

**RefSeq Size:**

4437 bp

**RefSeq ORF:**

3078 bp

**Locus ID:** 99586  
**UniProt ID:** [Q8CHR6](#)  
**Cytogenetics:** 3 G1  
**Gene Summary:** Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine (By similarity).[UniProtKB/Swiss-Prot Function]