

## Product datasheet for **MC221738**

### Dpp10 (NM\_199021) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dpp10 (NM_199021) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dpp10
Synonyms:	6430601K09Rik; DPP X; Dprp3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC221738 representing NM\_199021  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACAGCCATGAAGCAGGAGCAGCAACCCACCCAGGGGCCAGGGCAACCCAGTCGCAGCCAGCCGACC  
 AGGAACTAGGAAGTAACAGCCCTCCACAAAGAACTGGAAGGGAATCGCCATTGCCCTGCTGGTGATCTT  
 GGTGGTATGCTCACTCATCAATGTCTGTCTCCTGTTAACACCAGATGAACTAACAAATCTTCAGAA  
 ACAAGACTGTCTAGAGGAGCTTTTGGGAAAGGATTCGGACTTCATAATCCAGAACCTCGGTGGATCA  
 ATGATACAGTCGTGGTATATAAAACCAACAATGGACACGTCATGAACTGAATACAGAATCAAAATGCTTC  
 CACATTGTTATTGGACAACCTCACTTTTGTAACTTTAAAGCCTCCAGACACTCACTTTCCCCAGATTTA  
 AAGTATGTTCTCCTGGCATAACGACGTTAAGCAGATTTTTCATTACTCATTACCGCTTCATATTTGATTT  
 ACAACATACACACTGGGGAAGTGTGGGAGTTGAATCCCCAGAAGTTGAGGACTCAGTGTTCAGTATGC  
 GGCTGGGGTGTCAAGGACAGCAGCTGATTTATATTTTTGAAAACAATATCTACTATCAACCTGATATC  
 AAGAGCAGTTCTTACGACTAACATCTTCAGGAAAGGAAGGCATTATTTTAAATGGGATTGCTGACTGGT  
 TATATGAAGAAGAACTTCTGCATTCTCATATCGCCCACTGGTGGTCCCCCGATGGAGAGAGACTTGCCCT  
 CCTGATGATAAATGACTCGTTGGTGCCTAACATGATCATACCTCGGTTTACTGGAGCACTGTACCCAAA  
 GCAAAGCAGTACCCATACCCCAAGGCAGGTCAAGCGAACCCATCAGTGAAGTTATATGTTGTAACCTGT  
 ATGGACCAACTCATACTTTGGAGCTGATGCCACCCGACATTTTTAAATCAAGAGAATATTACATCACCAT  
 GGTTAAATGGGTGAGCAACACGAGGACAGTGGTCAGGTGGTTGAATCGGCCTCAGAACATCTCCATCCTC  
 ACACCTGTGAATCTACCACCGGGCATGCAGCAGGAAATATGAGATGACGTCCGACACCTGGCTCTCTA  
 AACAGAACGAGGAGCCAGTGTTCAGAGATGGAAGCAAGTTCTTCATGACTGTTCTGTTAAACAAG  
 TGGAAAGGAGAGAATCCACCACATAGCTATGTTTCTGTCAGAGTAAAAGCGAGCAAATACGGTGCCG  
 CATCTGACATCAGGAACTGGGAAGTGATAAGGATCTTGGCCTATGATGAAAACAACCTCAAAAAATTTACT  
 TTCTGAGCACAGAATCTTCTCCCAAGGGAGGCAACTATACAGTGCTTCTACTGAGGGACTATTGAATCG  
 TGATTGCATCTCATGCACTTTATGAAAGAAGATTGCACGATTTTTGATGCCAGCTTTAGCCCCATGAAT  
 CAACATTTCTTGTATTCTGTGAAGTCCAAAGTCCCAGTGGTCAGCCTTCACATCACAGACAACCCAT  
 CAAGGTATTTCTTGGAAAACAATTTCTGTGATGAAAGAACTATTGAGAAGAAGCTCGCAAAGAG  
 AGAGACTAGAATACTTCACATTGATGACTATGAACTTCTTTACAGTTGCTCTTTCCCAAAGATTTTATG  
 GAGAAAAACAGTATGCTCTTCTATTAATAATGGATGAAGAACCAGGAGGCCAAATGGTGACAGATAAGT  
 TCCATGTTGACTGGGATTCAGTTCTTATTGACACCGATAATGTCATTGTAGCAAGATTTGATGGCAGAGG  
 AAGTGGATTCCAGGGCCTGAAAGTTTTGCAGGAGATTCACAGAAGGATAGGCTCAGTGGAGGCAAAGGAC  
 CAAGTAGCTGCTGTAATAATTTACTGAAACAGCCATATATTGACTCCAAAAGATTAAGCATTTTTGGAA  
 AGGGATATGGGGCTATATTGCATCAATGATCTTAAAAACAGATGAGAAGTTTTTCAAATGTGGAGCCGT  
 GGTTGCACCCATCTCAGACATGAAGTTGTATGCCTCAGCTTCTCTGAACGGTACCTTGGCATGCCATCA  
 AAGGAAGAAGCACTTACCAGGCATCCAGTGTACTGCATAACATTCATGGTTTAAAGAAGAAAAATTTAT  
 TAATAATTCACGGAAGTCTGATACAAAAGTTCATTTCCAGCATTGAGCAGAAATGATCAAGCATCTGAT  
 AAAAGCTGGGGTGAATTACACTCTGCAGTCTATCCAGATGAAGGATATCACATTTGAGACAAGAGCAAG  
 CATCATTTTTACAGCACAAATTCAGATCTTCCAGTATTGTCTAAAGGAAGAGGATCTGTGCTGCCAC  
 AGGAACCGAAGAAGATGAATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_199021  
**Insert Size:** 2403 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_199021.3</a> , <a href="#">NP_950186.3</a>
<b>RefSeq Size:</b>	4648 bp
<b>RefSeq ORF:</b>	2403 bp
<b>Locus ID:</b>	269109
<b>UniProt ID:</b>	<a href="#">Q6NXX7</a>
<b>Cytogenetics:</b>	1 E2.3
<b>Gene Summary:</b>	Promotes cell surface expression of the potassium channel KCND2 (PubMed:22311982). Modulates the activity and gating characteristics of the potassium channel KCND2 (PubMed:22311982). Has no dipeptidyl aminopeptidase activity (Probable).[UniProtKB/Swiss-Prot Function]