

## Product datasheet for **SC109170**

### DPP6 (NM\_001936) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DPP6 (NM_001936) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP6
Synonyms:	DPL1; DPPX; MRD33; VF2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene ORF within SC109170 sequence for NM\_001936 edited (data generated by NextGen Sequencing)

```

ATGACCACAGCCAAGGAGCCAAGCGCTTCGGGAAATCCGTGCAGCAGCAGGAACAGGAG
CTGGTGGGGAGTAACCCCTCCGCAGAGGAATTGGAAAGGAATAGCAATTGCACTGCTTGTC
ATTCTGGTCATCTGCTCCTTGATCGTCACCTCGGTCATACTTCTGACACCAGCGGAAGAT
AATAGTCTGTCTAAAAGAAGAAGGTCACTGTAGAAGATCTTTCAGTGAAGACTTCAAA
ATTCATGACCCCGAGGCTAAGTGGATAAGTGATACAGAATTCATCTACAGAGAACAGAAA
GGAACAGTGAGACTGTGGAATGTTGAAACAAATACTTCTACTGTCTTAATAGAAGGCAAA
AAAATTGAATCATTAAGAGCCATCAGATATGAAATATCTCCAGATAGAGAGTATGCACTT
TTTTCATACAATGTGGAACCCATATATCAACACTCGTATACTGGATATTATGTCCTGAGC
AAAATTCCTCATGGGATCCTCAAAGTCTGGACCCACCAGAAGTCAGCAATGCAAAGCTT
CAGTATGCAGGATGGGGCCCTAAAGGCCAACAGCTGATATTTATTTTGGAAAACAATATC
TACTACTGTGCACATGTCGGGAAACAGGCCATCCGTGTGGTCTCCACTGGCAAGGAAGGT
GTGATTTACAATGGCCTCAGTGACTGGCTGTATGAAGAGGAGATTTTGAAGACACACATC
GCACACTGGTGGTCTCCGGATGGCAGGACTCGCCTACGCCGCCATCAATGATTCGGT
GTCCCCATCATGGAGCTCCCAACTTACACCGGCTCCATCTACCCACCGTGAAGCCCTAC
CACTATCCCAAGGCTGGAAGTGAGAACCCAGCATTTCCTACACGTTATTGGCTTAAAT
GGACCCACCCATGATCTGGAGATGATGCCGCTGATGATCCACGGATGAGGGAGTACTAC
ATCACCATGGTGAAGTGGGCCACCAGCACCAAGGTCGCCGTGACCTGGCTGAACCGGGCG
CAGAACGTGTCCATCCTCACCCTCTGCGACGCCACCACGGGGTCTGCACGAAGAAACAC
GAGGATGAAAGTGAGGCCTGGCTCCACAGACAGAATGAAGAACCTGTGTTCTCCAAGGAT
GGCCGAAAGTTTTTCTTATCAGAGCCATCCCCAGGGAGGACGAGGGAAATTTATCAC
ATCAGCGTGTCTCGTCCAGCCCAACAGCAGCAACGACAACATCCAGTCCATCACCTCC
GGGGACTGGGACGTGACCAAGATCCTAGCCTACGATGAGAAGGGGAATAAGATCTACTTC
CTGAGCACGGAGGACCTGCCTCGGAGACGACAACCTTACAGTGCCAACACGGTGGGCAAC
TTCAACAGGCAGTGCCTCTCCTGTGACCTGGTTGAGAAGTGCACCTACTTCAGCGCTTCC
TTCAGCCATAGCATGGACTTCTTCTGCTCAAGTGCGAAGGTCCTGGTGTTCCTATGGTG
ACGGTGCACAACACAAGATAAGAAAAAATGTTTGACCTAGAAAACAAATGAACATGTC
AAGAAGGCCATAAATGACCGACAGATGCCTAAAGTGAATACAGGGACATTGAGATTGAT
GATTACAACCTGCCATGCAGATACTGAAGCCAGCAACCTTACCAGACACCACCCACTAC
CCTCTGCTCCTGGTGGTGGATGGCACCCCGGGCAGCCAGAGTGTGGCTGAGAAGTTCGAG
GTGAGCTGGGAGACGGTATGGTGGAGCAGCCACGGCGCGGTGGTGGTAAAGTGTGACGGC
CGTGGCAGCGGCTTCAAAGGGACCAAGCTCCTGCACGAAGTGAGGCGGGGCTGGGCTTG
CTGGAGGAGAAGGACCAGATGGAGGCCGTGCGGACGATGCTGAAGGAGCAGTACATTGAC
AGGACGCGCGTGGCCGTGTTGGGAAGGATTACGGTGGCTACCTGAGCACCTACATCCTC
CCAGCAAAGGGAGAAAATCAAGGCCAGACATTCACCTGCGGCTCTGCTCTCTCCAATA
ACAGACTTCAAACCTATGCCTCTGCGTTTTCCGAGAGGTAAGTGGGCTCCATGGACTT
GACAACAGAGCATAACGAGATGACCAAGGTAGCCCATCGAGTCTCCGCGCTGGAAGAAGAG
CAGTTCCTGATCATTATCCCACTGCCGATGAAAAAATTCATTTCCAGCACACAGCAGAA
CTATTACACAACATAATTAGGGGAAAGGCTAATTACAGCTTACAGATTTACCCGGACGAA
AGCCATTAATTTACCAGCTCCAGCCTCAAACAGCATCTGTACCGTCCATCATCAACTTC
TTCGTGGAATGCTTACAGGATCCAGGACAAACTGCTGACAGTCACAGCGAAAGAGGACGAG
GAGGAGGACTAA
    
```

Clone variation with respect to NM\_001936.3  
 471 c=>t;537 a=>g;1710 a=>g

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_001936 unedited  
 GGTTACATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGCGGGCGAGG  
 AGGCAGCGCGCATCACTCGGGTCCCCTTCTGCACCCAGCCGCACTTGCCGGTTGCTAA  
 GCAGTTATCATTGTTTCTGTGGCGATTGCAGAGGCTGTTGCTAATTGGAGAAGCCCCACT  
 AAGCAGCGGCAGCTTCTGCTTCGGATCCTCTCTGCTGCTTGCATTTAAAGAGCAAAC  
 TCGCTNTGTCTACCCACCCTCCCTCCCCATCTCCCCAAAATAGCCTTGTGATTTGGA  
 AGTATGGACTAAAATCACACTCCTTACCTTACCGCTTGACTCTGGTGGCTCCCAAC  
 TCGCCGTGAGACCCACCTGCCCGGTGGTGGGAAGCGCCTGGACAGACCATGACCACAG  
 CCAAGGAGCCAAGCGCTTCGGGAAATCCGTGCAGCAGCAGGAACAGGAGCTGGTGGGA  
 GTAACCTCCGCAGAGGAATTGGAAGGAATAGCAATTGCACTGCTTGTCTATTCTGGTCA  
 TCTGCTCCTTGATCGTCACCTCGGTCATACTTCTGACACCAGCGGAAGATAATAGTCTGT  
 CTCAAAGAAGAAGGTCAGTGTAGAAGATCTTTCAGTGAAGACTTCAAATTCATGACC  
 CCGAGGCTAAGTGGATAAGTGATACAGAATTCATCTACAGAGAACAGAAAGGAACAGTGA  
 GACTGTGGAATGTTGAAACAAATACTTCTACTGTCTTAATANGAAGCAAAAAAATGAAT  
 CATTAAAGACCCATCAGATATGANATATCTCCAGATAGAGAGTATGCACTNTTTTCATACC  
 ATGTGGAACCATATATCAACACTCGTATACTGGATATTATGTCCTGAGCAAATTCCTCA  
 TGGNGATCCTCAAAGTCTGGACCCACN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_001936 unedited  
 ATGGACCGGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTAACCAAATG  
 TCATGGGAAAGAGCTTGATACGGTACCAAGGAGGACAAGGATGGTTGTAAGGACGGATG  
 TAAATAGACAGTGCACACCTACAGCCAAGCCCTAGCATAGCTGAGTGGGAGAGAGTTTT  
 ATTTAGGTATTTCTTTAATGGGTGCTATTGGCTGCTTCCCCCTCAGTGTTTAGGAACG  
 TCTCCAAGACGTCTGAAGACAACCTTGAGGAGGGAGCAGTTACTTCCGATCTGCTTCTTC  
 ATCAAGCGCAAAGTCTACACGTGGACTGGAGAAAGGAAAGGGAACAAGGCCAACCCCA  
 AACAGCAAAACAACCCATGACGGAGACAGTGGAGCATCAGGTTAAAACCATAGAAAAAT  
 ACGAGTTAATTCTATCAGGTTAACCATAGCGTAGCTACAGTAAGACTCTGTACAGAAAA  
 GCGTTTTCTTGTAGCCCCCACCATGTTGAACGTCCTCATTACAGGAAGTAGCAAGCCCA  
 TATATGAACACGCACTGCTAAAACAATGGTGTGTAAGTGTGCTGCCATGGCACTGCCA  
 CGTGAGACAGGGTGTGATGTCCTAACCGGAACACAGAGGCTAGTGGCGGGGCTCACC  
 GCCTTCGCTTGGTGGCTGGAATTTAGGCGCCGGTCTCTGTGGCTCGGTGGGCGCTGTG  
 GCCACCATCCTTTGCTCTGTTCTTTCGGAAGGGGCCGTGGCGTCCGCTCCTCTCGTTC  
 GCCCTACGGAGGGCTGCCGTGGCCCCACCGTCGCCCTGTGCCTGGGCGCCGGGACCG  
 TGACCCCGGGCAAGCCCCTGTTTCCCCGCTACTGTCTTCGCGTTTGAGAAACATGCTCG  
 CCCCCCGTGTCCCCCGCCCTGCNTTCCCGGTCCAGTGGTGCCTCCCCCTCTTCTCTC  
 CTCTTGCCGTTACCATTCCCCCCTTCGCTCTTCTCTCT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_001936

**Insert Size:**

3460 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).

<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_001936.2</a> , <a href="#">NP_001927.2</a>
<b>RefSeq Size:</b>	3560 bp
<b>RefSeq ORF:</b>	2412 bp
<b>Locus ID:</b>	1804
<b>Cytogenetics:</b>	7q36.2
<b>Domains:</b>	Peptidase_S9, DPPIV_N_term
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a single-pass type II membrane protein that is a member of the peptidase S9B family of serine proteases. This protein has no detectable protease activity, most likely due to the absence of the conserved serine residue normally present in the catalytic domain of serine proteases. However, it does bind specific voltage-gated potassium channels and alters their expression and biophysical properties. Variations in this gene may be associated with susceptibility to amyotrophic lateral sclerosis and with idiopathic ventricular fibrillation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]</p> <p>Transcript Variant: This variant (2) contains an alternate 5'-most exon and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2, also referred to as S) has a shorter and distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>