

Product datasheet for **SC310075**

DPP6 (NM_130797) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP6 (NM_130797) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP6
Synonyms:	DPL1; DPPX; MRD33; VF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_130797, the custom clone sequence may differ by one or more nucleotides

```
ATGGCTTCGCTGTACCAGAGTTCACTGGCAAGATCAACACCTCGAGGTCCTCCCCGCGCCCCGGAGG
CGAGTCACTCCTGGGCGGCCAGGGGCCGAGGAGGACGGCGGCCGAGGAGCAAGCCCCGCGCCCCGCG
GGCGCAGGCGGCGGCCCGCGGGAGCGCGGCCGGCGGCGCGGCGGGTGGCGGCCCGTCCAG
TACCAGGCGGGAGCGATGGTGACGAGGAGGACGAGCTGGTGGGAGTAACCTCCGAGAGGAATTGGA
AAGGAATAGCAATTGCACTGCTTGTCTTCTGTCATCTGCTCCTTGATCGTCACCTCGGTCATACTTCT
GACACCAGCGGAAGATAATAGTCTGTCTCAAAGAAGAAGGTCAGTGTAGAAGATCTCTTCAAGTGAAGAC
TTCAAATTTCATGACCCGAGGCTAAGTGGATAAGTGATACAGAATTCATCTACAGAGAACAGAAAGGAA
CAGTGAGACTGTGAATGTTGAAACAAATACTTCTACTGTCTTAATAGAAGGCAAAAAATTGAATCATT
AAGAGCCATCAGATATGAAATATCTCCAGATAGAGAGTATGCACTTTTTTATACAATGTGAACCCATA
TATCAACTCGTATACTGGATATTACGTCTGAGCAAAATTCCTCATGGGGATCCTCAAAGTCTGGACC
CACCAGAAGTCAGCAATGCAAACTTCAGTATGCAGGATGGGGCCCTAAGGCCAACAGCTGATATTTAT
TTTTGAAAAAATATCTACTACTGTGCACATGTGGGAAACAGGCCATCGGTGTGGTCTCCACTGGCAAG
GAAGGTGTGATTTACAATGGCCTCAGTACTGGCTGTATGAAGAGGAGATTTGAAGACACACATCGCAC
ACTGGTGGTCTCCGGATGGCACGAGACTCGCCTACGCCGCATCAATGATCCCCTGTCCCCATCATGGA
GCTCCCAACTTACACCGGCTCCATCTACCCACCGTGAAGCCCTACCACTATCCAAGGCTGGAAGTGAG
AACCCAGCATTTCCTACACGTTATTGGCTTAAATGGACCCACCATGATCTGGAGATGATGCCGCTG
ATGATCCACGGATGAGGGAGTACTACATCACCATGGTGAAGTGGGCCACCAGCACCAAGTGCCTGAC
CTGGCTGAACCGGGCGCAGAACGTGCCATCCTCACCTCTGCGACGCCACCACGGGGCTCTGCACGAAG
AAACACGAGGATGAAAGTGAGGCTGGCTCCACAGACAGAATGAAGAACCTGTGTTCTCCAAGGTGGCC
GAAAGTTTTTCTCATCAGAGCCATCCCCAGGGAGGACGAGGAAATTCTATCACATCAGGGTGTCTCTC
GTCCAGCCCAACAGCAGCAACGACAACATCCAGTCCATCACCTCCGGGGACTGGGACGTGACCAAGATC
CTAGCCTACGATGAGAAGGGGAATAAGATCTACTTCTGAGCACGGAGGACCTGCCTCGGAGACGACAAC
TCTACAGTGCCAACACGGTGGGCAACTTCAACAGGCACTGCTCTCCTGTGACCTGGTTGAGAACTGCAC
CTACTTCAGCGCTTCTTCAGCCATAGCATGGACTTCTTCTGCTCAAGTGCAGAGTCTGGTGTCTCT
ATGGTGACGGTGACACAACACAGATAAGAAAAAATGTTTGACCTAGAAAAAATGAACATGTCAAGA
AGGCCATAAATGACCGACAGATGCCTAAAGTGAATACAGGGACATTGAGATTGATGATTACAACCTGCC
CATGCAGATACTGAAGCCAGCAACCTTACCAGCACACCACCCTACCTCTGCTCTGTGGTGGTGGATGGC
ACCCAGGAGCCAGAGTGTGGCTGAGAAGTTCGAGGTGAGCTGGGAGACGGTGTGGTGTGAGCAGCCAG
GCGCGGTGGTGGTAAAGTGTGACGGCGTGGCAGCGGCTTCAAGGGACCAAGCTCTGCACGAAGTGAG
GCGGCGGTGGGCTTGTGGAGGAGAAGGACCAGATGGAGGCCGTGCGGACGATGCTGAAGGAGCAGTAC
ATTGACAGGACGCGCTGGCCGTGTTGGGAAGGATTACGGTGGCTACCTGAGCCTACATCTCCAG
CAAAGGGAGAAAAACAAGGCCAGACATTCACCTGCGGCTCTGCTCTCTCCAATAACAGACTTCAAAT
CTATGCCTCTGCGTTTTCCGAGAGGTTGGGCTCCATGGACTTGACAACAGAGCATAACGAGATGACC
AAGGTAGCCATCGAGTCTCCGCGCTGGAAGAACAGCAGTTCCTGATCATTATCCCACTGCCGATGAAA
AAATTCATTTCCAGCACACAGCAGAATCATTACACAATAATTAGGGAAAGGCTAATTACAGCTTACA
GATTTACCCGGAGCAAGCCATTACTTTACCAGCTCCAGCTCAAACAGCATCTGTACCGGTCCATCATC
AATTTCTGCGTGAATGCTTCCAGGATCCAGGACAACTGCTGACAGTACAGCGAAAAGAGGACGAGGAGG
AGGACTAA
```

Restriction Sites: SgfI-MluI
ACCN: NM_130797

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_130797.3](#), [NP_570629.2](#)

RefSeq Size: 4811 bp

RefSeq ORF: 2598 bp

Locus ID: 1804

UniProt ID: [P42658](#)

Cytogenetics: 7q36.2

Domains: Peptidase_S9, DPPIV_N_term

Protein Families: Druggable Genome, Protease, Transmembrane

Gene Summary:

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also referred to as L). 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.