

## Product datasheet for SC335565

### DPP6 (NM\_001290253) Human Untagged Clone

#### Product data:

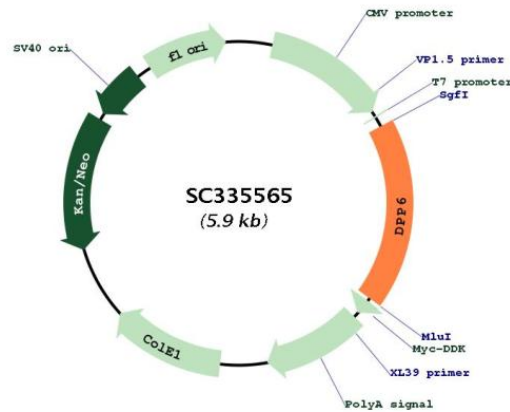
Product Type:	Expression Plasmids
Product Name:	DPP6 (NM_001290253) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP6
Synonyms:	DPL1; DPPX; MRD33; VF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335565 representing NM_001290253. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTCGCTGTACCAGAGTTCACTGGCAAGATCAACACCTCGAGGTCCTTCCCCGCGCCCCGGAG
GCGAGTCACCTCTGGCGGCCAGGGCCCCGAGGAGGACGGCGGCAGGAGCCAAGCCCCTCGGCCCG
CGGGCGCAGGGCGCGGCCGCCCGGGAGCGCGGGCGGGCGGGCGGGCGGGTGGCCGGCCCCGGTTC
CAGTACCAGGCGCGGAGCGATGGTGACGAGGAGGACGAGCTGGTGGGGAGTAACCCTCCGACAGGAAT
TGGAAAGGAATAGCAATTGCACTGCTTGTCTTCTGGTCACTGCTCCTTGATCGTCACCTCGGTCATA
CTTCTGACACCAGCGGAAGATAATAGTCTGTCTCAAAGAAGAAGTCACTGTAGAAGATCTCTTCACT
GAAGACTTCAAAATTCATGACCCGAGGCTAAGTGGATAAGTGATACAGAATTCATCTACAGAGAACAG
AAAGGAACAGTGAGACTGTGAAATGTTGAAACAAATACTTCTACTGTCTTAATAGAAGGCAAAAAATT
GAATCATTAAAGAGCCATCAGATATGAAATATCTCCAGATAGAGAGTATGCACTTTTTTATACAATGTG
GAACCCATGAAGAAAGTGAAGTCCAGGAAGTTGACATTGCCTCATTCAAATCATGTGACTCATTAGCA
GTAAGTCAAGCCTGTAGCCAGCTTGTCCAGGGCTGTTTTCTTATTACATCACCATGTCTTCTTCT
CTTCACTGCCTGCGTGACTATGTCTCGGCAGTCAATGGATACAGCACAGCATTGCCAGCTGCCATGTA
CAAGGGGGACCTGTTTCAGATATTCATGGAGACCCTGGCTGGAGATTGCAGGAGAGTCCCAGGAGGC
AGGACTGCCAATGGCACCAGGCTTCGACGCCATGCACCTGCAGCCCTCAGGCAGCACTGTCCATTGTCA
TACGAGTGTGGCAGGTGTGAGGCATCGCATCTGCTCACCCGGGGATAATGCACAGCAGCTACAGGCA
ATTTCCGGCCAGAGAGCAACCGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001290253

**Insert Size:** 1062 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\\_001290253.1](#)

**RefSeq Size:** 2066 bp

**RefSeq ORF:** 1062 bp

**Locus ID:** 1804

**Cytogenetics:** 7q36.2

**Protein Families:** Druggable Genome, Protease, Transmembrane

**MW:** 38.7 kDa

**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 (5) lacks several exons, and contains an alternate 3-terminal exon, compared to variant 1. The encoded isoform (5) has a shorter and distinct C-terminus, compared to isoform 1.