

Product datasheet for **SC337395**

DPP6 (NM_001290252) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | DPP6 (NM_001290252) 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) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001290252, the custom clone sequence may differ by one or more nucleotides

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ATGACCACAGCCAAGGAGCCAAGCGCTTCGGGAAATCCGTGCAGCAGCAGGAACAGGAGCTGGTGGGA
GTAACCCTCCGCAGAGGAATTGGAAAGGAATAGCAATTGCACTGCTTGTCACTTCTGGTCATCTGCTCCTT
GATCGTCACCTCGGTCACTTCTGACACCAGCGGAAGATAATAGTCTGTCTCAAAAGAAGAAGGCTACT
GTAGAAGATCTCTTCAGTGAAGACTTCAAATTCATGACCCCGAGGCTAAGTGGATAAGTGATACAGAAT
TCATCTACAGAGAACAGAAAGGAACAGTGAAGTGTGAAATGTTGAAACAATACTTCTACTGTCTTAAT
AGAAGGCAAAAAAATTGAATCATTAAGAGCCATCAGATATGAAATATCTCCAGATAGAGAGTATGCACTT
TTTTCATACAATGTGGAACCCATATTTATTTTGGAAACAATATCTACTACTGTGCACATGTCGGGAAAC
AGGCCATCCGTGTGGTCTCCACTGGCAAGGAAGGTGTGATTTACAATGGCCTCAGTGACTGGCTGTATGA
AGAGGAGATTTTGAAGACACACATCGCACACTGGTGGTCTCCGGATGGCAGGAGACTCGCCTACGCCGCC
ATCAATGATTCCTGTCCCATCATGGAGCTCCCACTTACACCGGCTCCATCTACCCACCGTGAAGC
CCTACCCTATCCCAAGGCTGGAAGTGAAGACCCAGCATTCCCTACACGTTATTGGCTTAAATGGACC
CACCCATGATCTGGAGATGATGCCGCTGATGATCCACGGATGAGGGAGTACTACATCACCATGGTGAAG
TGGGCCACCAGCACAAGGTCGCGGTGACTGGCTGAACCGGGCCGAGAAGTGTCCATCCTCACCCCTCT
GCGACGCCACCACGGGGTCTGCACGAAGAAACACGAGGATGAAAGTGAAGCCTGGCTCCACAGACAGAA
TGAAGAACCTGTGTTCTCCAAGGATGGCCGAAAGTTTTTCTTATCAGAGCCATCCCCAGGGAGGACGA
GGGAAATTCTATCACATCACGGTGTCTCGTCCAGCCCAACAGCAGCAACGACAACATCCAGTCCATCA
CCTCCGGGACTGGGACGTGACCAAGATCCTAGCCTACGATGAGAAGGGGAATAAGATCTACTTCTGAG
CACGGAGGACCTGCCTCGGAGACGACAACCTACAGTGCCAACACGGTGGGCACTTCAACAGGCAGTGC
CTCTCTGTGACCTGGTTGAGAAGTGCACCTACTTCAGCGCTTCTTTCAGCCATAGCATGGACTTCTCC
TGCTCAAGTGCGAAGGTCCTGGTTCCTATGGTGACGGTGCACAACACAGATAAGAAAAAATGTT
TGACCTAGAAACAATGAACATGTCAAGAAGGCCATAAATGACCGACAGATGCCTAAAGTGAATACAGG
GACATTGAGATTGATGATTACAACCTGCCATGCAGATACTGAAGCCAGCAACCTTACCAGACACCACC
ACTACCCTCTGCTCCTGGTGGTGGATGGCACCCAGCCAGAGTGTGGCTGAGAAGTTCGAGGTGAG
CTGGGAGACGGTGTGGTGAAGCAGCCACGGCGGGTGGTGGTAAAGTGTGACGGCCGTGGCAGCGGCTC
CAAGGGACCAAGCTCCTGCACGAAGTGAAGCGGGCGGCTGGGCTTGTGGAGGAGAAGGACCAGATGGAGG
CCGTGCGGACGATGCTGAAGGAGCAGTACATTGACAGGACGCGCTGGCCGTGTTGGGAAGGATTACGG
TGCTACCTGAGCACCTACATCCTCCAGCAAAGGGAGAAAATCAAGGCCAGACATTCACCTGCGGCTCT
GCTCTCTCCAATAACAGACTTCAAACCTATGCCTCTGCGTTTTCCGAGAGGTAAGTGGGCTCCATG
GACTTGACAACAGAGCATACGAGATGACCAAGGTAGCCATCGAGTCTCCGCGCTGGAAGAACAGCAGTT
CCTGATCATTCACCACTGCCGATGAAAAAATTCATTTCCAGCACACAGCAGAAGTCAATACAACTA
ATTAGGGGAAAGGCTAATTACAGCTTACAGATTTACCCGACGAAAGCCATTACTTTACCAGCTCCAGCC
TCAAACAGCATCTGTACCGGTCCATCATCAACTTCTTCGTGGAATGCTTCAGGATCCAGGACAACTGCT
GACAGTCACAGCGAAAGAGGACGAGGAGGACTAA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001290252

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).

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| Reconstitution Method: | <ol style="list-style-type: none">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: | <u>NM_001290252.1, NP_001277181.1</u> |
| RefSeq Size: | 4370 bp |
| RefSeq ORF: | 2277 bp |
| Locus ID: | 1804 |
| Cytogenetics: | 7q36.2 |
| Protein Families: | Druggable Genome, Protease, Transmembrane |
| Gene Summary: | <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 (4) contains an alternate 5'-most exon, initiates translation at an alternate start codon, and lacks two exons in the central coding region, compared to variant 1. The encoded isoform (4) is shorter, 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> |