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Product datasheet for SC310894

DPP6 (NM_001039350) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP6 (NM_001039350) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP6
Synonyms:	DPL1; DPPX; MRD33; VF2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_001039350 edited
GCGCCGAGCTCGGTGGACACGCGCGCAGTCAGAGCTGCCTCTCGCCCTCGCTAGCTGGGC
TCGCAGCCTCTTCCTCCCTCCCTGGCTCCTGGCTTTTTGTTTAAAGCAACACCCACCCTC
CATCCAGGCTTTTTTTCTTTCTTTCTTTATTGGTAGCGGCCAAAAAGAGTTGATTGCTAT
TGGGATCCGCTGAGTAAAGACACGGGCAGGGGTGCGCGGAGGTGAGAAAACTGAAGACCT
GGAAGATTTTTTTTTCCTTCAAAAACCCGTTTCCATCCAGTCTTCAGCCAGTCCAGTCTA
CTTTAATCCTCACCAGGACAATGGATTAAGTTTCTCTTCCCTGGACCAGAAGTCGGGTTC
GGACTTGGGGCAAAATGAAGGAAAAGGCCATGATCAAGACCGCTAAGATGCAGGGGAACG
TGATGGAGCTGGTGGGGAGTAACCCTCCGCAGAGGAATTGGAAAGGAATAGCAATTGCAC
TGCTTGTCATTCTGGTCATCTGCTCCTTGATCGTCACCTCGGTCATACTTCTGACACCAG
CGGAAGATAATAGTCTGTCTCAAAAGAAGAAGGTCACTGTAGAAGATCTCTTCAGTGAAG
ACTTCAAAATTCATGACCCCGAGGCTAAGTGGATAAGTGATACAGAATTCATCTACAGAG
AACAGAAAGGAACAGTGAGACTGTGGAATGTTGAAACAAATACTTCTACTGTCTTAATAG
AAGGCAAAAAAATTGAATCATTAAGAGCCATCAGATATGAAATATCTCCAGATAGAGAGT
ATGCACTTTTTTCATACAATGTGGAACCCATATATCAACACTCGTATACTGGATATTATG
TCCTGAGCAAAATTCCTCATGGGGATCCTCAAAGTCTGGACCCACCAGAAGTCAGCAATG
CAAAACTTCAGTATGCAGGATGGGGCCCTAAAGGCCAACAGCTGATATTTATTTTTGAAA
ACAATATCTACTACTGTGCACATGTCGGGAAACAGGCCATCCGTGTGGTCTCCACTGGCA
AGGAAGGTGTGATTTACAATGGCCTCAGTGACTGGCTGTATGAAGAGGAGATTTTGAAGA
CACACATCGCACACTGGTGGTCTCCGGATGGCACGAGACTCGCCTACGCCGCCATCAATG
ATTCCCGTGTCCCCATCATGGAGCTCCCAACTTACACCGGCTCCATCTACCCCACCGTGA
AGCCCTACCACTATCCCAAGGCTGGAAGTGAGAACCCCAGCATTTCCCTACACGTTATTG
GCTTAAATGGACCCACCCATGATCTGGAGATGATGCCGCCTGATGATCCACGGATGAGGG
AGTACTACATCACCATGGTGAAGTGGGCCACCAGCACCAAGGTCGCCGTGACCTGGCTGA
ACCGGGCGCAGAACGTGTCCATCCTCACCCTCTGCGACGCCACCACGGGGGTCTGCACGA
AGAAACACGAGGATGAAAGTGAGGCCTGGCTCCACAGACAGAATGAAGAACCTGTGTTCT
CCAAGGATGGCCGAAAGTTTTTCTTCATCAGAGCCATCCCCCAGGGAGGACGAGGGAAAT

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TCTATCACATCACGGTGTCCTCGTCCCAGCCCAACAGCAGCAACGACAACATCCAGTCCA
TCACCTCCGGGGACTGGGACGTGACCAAGATCCTAGCCTACGATGAGAAGGGGAATAAGA
TCTACTTCCTGAGCACGGAGGACCTGCCTCGGAGACGACAACTCTACAGTGCCAACACGG
TGGGCAACTTCAACAGGCAGTGCCTCTCCTGTGACCTGGTTGAGAACTGCACCTACTTCA
GCGCTTCCTTCAGCCATAGCATGGACTTCTTCCTGCTCAAGTGCGAAGGTCCTGGTGTTC
CTATGGTGACGGTGCACAACACAACAGATAAGAAAAAAATGTTTGACCTAGAAACAAATG
AACATGTCAAGAAGGCCATAAATGACCGACAGATGCCTAAAGTGGAATACAGGGACATTG
AGATTGATGATTACAACCTGCCCATGCAGATACTGAAGCCAGCAACCTTCACCGACACCA
CCCACTACCCTCTGCTCCTGGTGGTGGATGGCACCCCGGGCAGCCAGAGTGTGGCTGAGA
AGTTCGAGGTGAGCTGGGAGACGGTGATGGTGAGCAGCCACGGCGCGGTGGTGGTAAAGT
GTGACGGCCGTGGCAGCGGCTTCCAAGGGACCAAGCTCCTGCACGAAGTGAGGCGGCGGC
TGGGCTTGCTGGAGGAGAAGGACCAGATGGAGGCCGTGCGGACGATGCTGAAGGAGCAGT
ACATTGACAGGACGCGCGTGGCCGTGTTTGGGAAGGATTACGGTGGCTACCTGAGCACCT
ACATCCTCCCAGCAAAGGGAGAAAATCAAGGCCAGACATTCACCTGCGGCTCTGCTCTCT
CTCCAATAACAGACTTCAAACTCTATGCCTCTGCGTTTTCCGAGAGGTACTTGGGCCTCC
ATGGACTTGACAACAGAGCATACGAGATGACCAAGGTAGCCCATCGAGTCTCCGCGCTGG
AAGAACAGCAGTTCCTGATCATTCATCCCACTGCCGATGAAAAAATTCATTTCCAGCACA
CAGCAGAACTCATTACACAACTAATTAGGGGAAAGGCTAATTACAGCTTACAGATTTACC
CGGACGAAAGCCATTACTTTACCAGCTCCAGCCTCAAACAGCATCTGTACCGGTCCATCA
TCAACTTCTTCGTGGAATGCTTCAGGATCCAGGACAAACTGCTGACAGTCACAGCGAAAG
AGGACGAGGAGGAGGACTAAGCTCAGGTCGCTCTAAGCACAAACGTGGCTCTTTCTACAA
CCAGATGCAACCGAGGGATTTCCCTGCCCTCCCTCTTCCCTCGGAGGGGCGGGGCGGGGC
GGGGCCGGGTGTTCCATAGCATGTGTGTCTCGGATGCGGAAGGCAGTTTTGCTTGGGAAA
CAAGCTCCTTCCCCGGGGTCATCACTCACGGCCTCCATGGCACCAGGGACAACGCTGTCC
CCGCAGCAGCGCCTCCTCCCGGCGCCCGAGAGACCGGCACGCCACGGCCCCTCCCCCAAG
GAACAGAGCAAAGGATGGTGGCCGCAGGCCCCACGCGAGCCCACAGGACACCGGCCCCTA
GATTCCAGCCACCAAGCGGAAGCATGAGACCCGCCCACACTAGCCTCTGTGTTCCCGTTA
GGGACATCACACCCTGTCTCACGTCGCAGTGCCATGGACGCAGCAGTTACAGCACCATTG
TTTTAGCAGTGCGTGTTCATATATGGGCTTGCTACTTCCTGTAATGAGGACGTTCAACAT
GGTGAGGGGCTACAAGAAAACGCTTTTCTGTACAGAGTCTTACTGTAGCTACGCTAATGG
TTAACCTGATAGAATTAACTCGTATTTTTCTATGGTTTTAACCTGATGCTCCACTGTCTC
CGTCATGGGGTTGTTTTGCTGTTTGGGGTTGGGCCTTGTTTCCCTTTCCTTTCTCCAGTC
CACGTGTAGACTTTGCGCTTGATGAAGAAGCAGATCGGAAGTAACTGCTCCCTCCTCAAG
GTTGTCTTCAGACGTCTTGGAGACGTTCCTAAACACTGAGGGGGAAGACAGCCAATAGCA
CCCATTAAAAGAAATACCTAAATAAAACCTCTCTCCCACTCAGCTATGCTAGGGCTTGGC
TGTAGGTGTGCACTGTCTATTTACATCCGTCCTTACAACCATCCTTGTCCTCCTTGGTAC
CGTATCAAGCTCTTTCCCATGACATTTGGTTAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001039350

Insert Size: 3800 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001039350.1.

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_001039350.1, NP_001034439.1
RefSeq Size:	4571 bp
RefSeq ORF:	2406 bp
Locus ID:	1804
Cytogenetics:	7q36.2
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 (3) contains an alternate 5'-most exon and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) 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.