

Product datasheet for **SC300671**

DPP10 (NM_001004360) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP10 (NM_001004360) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP10
Synonyms:	DPL2; DPPY; DPRP-3; DPRP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_001004360 edited
 ATGCGCAAGGTGGAGAGCCGCGGGGAAGGGGGCAGAGAGGAAGTGGGAAGTAACAGCCCT
 CCACAGAGAACTGGAAGGAATTGCTATTGCTCTGCTGGTGATTTTAGTTGTATGCTCA
 CTCATCACTATGTCAGTCATCCTCTTAACCCAGATGAACTCACAAATTCGTGAGAAACC
 AGATTGCTTTGGAAAGACCTCTTAGGAAAAGACTTTGTGCTTACGATCCAGAGGCTCGG
 TGGATCAATGATACAGATGTGGTGATAAAAAGCAGAATGGACATGTCATTAACCTGAAT
 ATAGAAACAAATGCTACCACATTATTATTGGAAAACACAACCTTTTGTAACTTCAAAGCA
 TCAAGACATTCAGTTTCACCAGATTTAAAATATGCTCTTCTGGCATATGATGTCAAACAG
 ATTTTTATTATTCGTATACTGCTTCATATGTGATTTACAAACATACACACTAGGGAAAGTT
 TGGGAGTTAAATCCTCCAGAAGTAGAGGACTCCGTCTTGCACTACGCGGCCTGGGGTGTG
 CAAGGGCAGCAGCTGATTTATATTTTTGAAAATAATATCTACTATCAACCTGATATAAAG
 AGCAGTTCATTGCGACTGACATCTTCTGGAAAAGAAGAAATAATTTTTAATGGGATTGCT
 GACTGGTTATATGAAGAGGAACCTCTGCATTCTCACATCGCCACTGGTGGTACCAGAT
 GGAGAAAGACTTGCTTCTGATGATAAATGACTCTTTGGTACCACCATGGTTATCCCT
 CGGTTTACTGGAGCGTTGTATCCCAAAGGAAAGCAGTATCCGTATCCTAAGGCAGGTCAA
 GTGAACCCAACAATAAAATTATATGTTGTAACCTGTATGGACCAACTCACACTTTGGAG
 CTCATGCCACCTGACAGCTTTAAATCAAGAGAATACTATATCACTATGGTTAAATGGGTA
 AGCAATACCAAGACTGTGGTAAGATGGTTAAACCGACCTCAGAACATCTCCATCCTCACA
 GTCTGTGAGACCACTACAGGTGCTTGTAGTAAAAAATAGAGATGACATCAGATACGTGG
 CTCTCTCAGCAGAATGAGGAGCCCGTGTCTTAGAGACGGCAGCAAATCTTTATGACA
 GTGCCTGTTAAGCAAGGGGACGTGGAGAATTTACCACATAGCTATGTTCTCATCCAG
 AGTAAAAGTGAGCAAATTACCGTGCAGCATCTGACATCAGGAACTGGGAAGTGATAAAG
 ATCTTGGCATACGATGAACTACTCAAAAAATTTACTTTCTGAGCACTGAATCTTCTCCC
 AGAGGAAGGCAGCTGTACAGTGCTTCTACTGAAGGATTATTGAATCGCCAATGCATTTCA
 TGTAAATTCATGAAAGAACAATGTACATATTTTGATGCCAGTTTTAGTCCCATGAATCAA
 CTTTTCTATTATTCTGTGAAGGTCCAAGGGTCCCAGTGGTCAGCCTACATAGTACGGAC
 AACCCAGCAAAATATTTTATATTGGAAAGCAATCTATGCTGAAGGAAGCTATCCTGAAG
 AAGAAGATAGGAAAGCCAGAAATAAAAATCCTTCATATTGACGACTATGAACTTCTTTA
 CAGTTGTCCTTCCCAAAGATTTTATGGACCGAAACCAGTATGCTCTTCTGTTAATAATG
 GATGAAGAACCAGGAGGCCAGCTGGTTACAGATAAGTTCCATATTGACTGGGATTCCGTA
 CTCATTGACATGGATAATGTCATTGTAGCAAGATTTGATGGCAGAGGAAGTGGATTCCAG
 GGTCTGAAAATTTTGCAGGAGATTCATCGAAGATTAGTTTCAGTAGAAGTAAAGGACCAA
 ATAACAGCTGTGAAATTTTTGCTGAAACTGCCTTACATTGACTCCAAAAGATTAAGCATT
 TTTGAAAGGGTTATGGTGGCTATATTGCATCAATGATCTTAAAATCAGATGAAAAGCTT
 TTTAAATGTGGATCCGTGGTTGCACCTATCACAGACTTGAATTTGATGCCTCAGCTTTC
 TCTGAAAGATACCTTGGGATGCCATCTAAGGAAGAAAGCACTTACCAGGCAGCCAGTGTG
 CTACATAATGTTTCATGGCTTGAAGAAGAAAATATATTAATAATTCATGGAACCTGCTGAC
 AAAAAAGTTCAATTTCCAACACTCAGCAGAATTAATCAAGCACCTAATAAAAGCTGGAGTG
 AATTATACTATGCAGGTCTACCCAGATGAAGGTCATAACGTATCTGAGAAGAGCAAGTAT
 CATCTCTACAGCACAAATCCTCAAATTTCTCAGTGATTGTTTGAAGGAAGAAATATCTGTG
 CTACCACAGGAACCAAGAAGAAGATGAATAA

Restriction Sites: NotI-NotI
ACCN: NM_001004360
Insert Size: 4700 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 contain one SNP compared to NM_001004360.1.
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:	<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_001004360.1, NP_001004360.1</u>
RefSeq Size:	4395 bp
RefSeq ORF:	2370 bp
Locus ID:	57628
UniProt ID:	<u>Q8N608</u>
Cytogenetics:	2q14.1
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 S9B family in clan SC of the 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. Mutations in this gene have been associated with asthma. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) has an alternate 5' exon, as compared to variant 3. The resulting isoform (short, also referred to as DPL2-s and d) has a shorter and distinct N-terminus when compared to isoform c. 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>