

Product datasheet for **SC329138**

DPP10 (NM_001178037) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP10 (NM_001178037) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP10
Synonyms:	DPL2; DPPY; DPRP-3; DPRP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001178037, the custom clone sequence may differ by one or more nucleotides

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ATGGTCATCACAGAGGTGGCTGAGGGACCAGTAGATGGTTCTGAAAAGGAACTGGGAAGT
AACAGCCCTCCACAGAGAACTGGAAGGGAATTGCTATTGCTCTGCTGGTATTGTTAGTT
GTATGCTCACTCATCACTATGTCAGTCATCCTCTTAACCCAGATGAACTCACAATTCG
TCAGAAACCAGATTGTCTTTGGAAGACCTCTTTAGGAAAGACTTTGTGCTTCACGATCCA
GAGGCTCGGTGGATCAATGATACAGATGTGGTGTATAAAAGCGAGAATGGACATGTCATT
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TCACCAGATGGAGAAAGACTTGCTTCCCTGATGATAAATGACTCTTTGGTACCCACCATG
GTTATCCCTCGGTTTACTGGAGCGTTGTATCCCAAAGGAAAGCAGTATCCGTATCCCTAAG
GCAGGTCAAGTGAACCAACAATAAAATTATATGTTGTAACCTGTATGGACCAACTCAC
ACTTTGGAGCTCATGCCACCTGACAGCTTTAAATCAAGAGAATACTATATCACTATGGTT
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TTAAGCATTTTTGGAAGGGTTATGGTGGCTATATTGCATCAATGATCTTAAAATCAGAT
GAAAAGCTTTTTAAATGTGGATCCGTGGTTGCACCTATCACAGACTTGAATTTGATGCC
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GCCAGTGTGCTACATAATGTTTATGGCTTGAAGAAGAAAATATATTAATAATTCATGGA
ACTGCTGACACAAAAGTTCATTTCCAACACTCAGCAGAATTAATCAAGCACCTAATAAAA
GCTGGAGTGAATTATACTATGCAGGTCTACCCAGATGAAGGTCATAACGTATCTGAGAAG
AGCAAGTATCATCTCTACAGCACAATCCTCAAATTTCTCAGTGATTGTTTGAAGGAAGAA
ATATCTGTGCTACCACAGGAACCAAGAAGATGAATAA

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Restriction Sites: Please inquire

ACCN: NM_001178037

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:	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:	<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_001178037.1</u> , <u>NP_001171508.1</u>
RefSeq Size:	4857 bp
RefSeq ORF:	2379 bp
Locus ID:	57628
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 (4) has an alternate 5' exon, as compared to variant 3. The resulting isoform (b) has a shorter and distinct N-terminus when compared to isoform c.</p> <p>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>