

Product datasheet for **SC314833**

DPP9 (AF452102) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP9 (AF452102) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP9
Synonyms:	DP9; DPLP9; DPRP-2; DPRP2
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for AF452102, the custom clone sequence may differ by one or more nucleotides

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ATGGCCACCACCGGGACCCCAACGGCCGACCGAGGCGACGCAGCCGCCACAGATGACCCG
GCCGCCGCTTCCAGGTGCAAGAAGCACTCGTGGGACGGGCTCCGGAGCATCATCCACGGC
AGCCGCAAGTACTCGGCCTCATTGTCAACAAGGCGCCCCAGACTTCCAGTTTGTGCAG
AAGACGGATGAGTCTGGGCCCACTCCCACCGCCTCTACTACCTGGGAATGCCATATGGC
AGCCGAGAGAACTCCCTCCTCTACTCTGAGATTCCCAAGAAGTCCGGAAGAGGCTCTG
CTGCTCCTGTCTGGAAGCAGATGCTGGATCATTTCAGGCCACGCCCCACCATGGGGTC
TACTCTCGGGAGGAGGAGCTGCTGAGGGAGCGAAACGCCTGGGGTCTTCGGCATCACC
TCCTACGACTTCCACAGCGAGAGTGGCCTTTCCTCTTCCAGGCCAGCAACAGCCTTTC
CACTGCCGCGACGGCGCAAGAACGGTTCATGGTGTCCCTATGAAACCGCTGGAATC
AAGACCCAGTGCTCAGGGCCCCGATGGACCCAAAATCTGCCCTGCCGACCTGCCTTC
TTCTCCTCATCAATAACAGCGACCTGTGGTGGCCAACATCGAGACAGGCGAGGAGCGG
CGGCTGACCTTCTGCCACCAAGGTTTATCCAATGTCTGGATGACCCCAAGTCTGCGGGT
GTGGCCACCTTCGTATACAGGAAGAGTTCGACCGCTTACTGGTACTGGTGGTCCCC
ACAGCCTCCTGGGAAGGTTCAAGAGGCTCAAGACGCTGCGAATCCTGTATGAGGAAGTC
GATGAGTCCGAGGTGGAGGTCATTACGTCCTCCTGCGCTAGAAGAAGGAAGACG
GACTCGTATCGGTACCCAGGACAGGCAGCAAGAATCCCAAGATTGCCTTGAACCTGGCT
GAGTTCAGACTGACAGCCAGGGCAAGATCGTCTGACCCAGGAGAAGGAGCTGGTGCAG
CCCTTCAGCTCGCTGTTCCCGAAGGTGGAGTACATCGCCAGGGCCGGGTGGACCCGGAT
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CTCCCCCGGCCCTGTTTATCCCGAGCACAGAGAATGAGGAGCAGCGGCTAGCCTCTGG
AGAGCTGTCCCCAGGAATGTCCAGCCGTATGTGGTGTACGAGGAGGTACCAACGTCTGG
ATCAATGTTTATGACATCTTCTATCCCTTCCCCAATCAGAGGGAGAGGACGAGCTCTGC
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TTAAAATCCCAGGGCTACGATTGGAGTGGAGCCCTCAGCCCCGGGAAGATGAATTTAAG
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GGCTCCAAGATCTGGGTCAATGAGGAGACCAAGCTGGTGTACTTCCAGGGCACCAAGGAC
ACGCCGCTGGAGCACCACTCTACGTGGTCACTATGAGGCGGCCGGGAGATCGTACGC
CTCACCACGCCCGCTTCTCCATAGCTGCTCCATGAGCCAGAATTCGACATGTTCTGTC
AGCCACTACAGCAGCGTGAACACGCCCTGCGTGCACGTCTACAAGCTGAGCGGCCCC
GACGACGACCCCTGCACAAGCAGCCCGCTTCTGGGCTAGCATGATGGAGGCAGCCAGC
TGCCCCCGGATTATGTTCTCCAGAGATCTTCCATTTCCACACGCGCTCGGATGTGCGG
CTCTACGGCATGATCTACAAGCCCCACGCCTTGCAGCCAGGGAAGAAGCACCCACCGTC
CTCTTTGTATATGGAGGCCCCAGGTGCAGCTGGTGAATAACTCCTTCAAAGGCATCAAG
TACTTGGCGCTCAACACACTGGCCTCCCTGGGCTACGCCGTGGTGTGATTGACGGCAGG
GGCTCCTGTGACGAGGGCTTCGGTTCGAAGGGGCCCTGAAAACCAAATGGGCCAGGTG
GAGATCGAGGACCAAGTGGAGGGCTGCAGTTCGTGGCCGAGAAGTATGGCTTTCATCGAC
CTGAGCCGAGTTGCCATCCATGGCTGGTCTACGGGGCTTCTCTCGCTCATGGGGTA
ATCCACAAGCCCCAGGTGTTCAAGGTGGCCATCGCGGGTGCCCGGTACCGTCTGGATG
GCCTACGACACAGGGTACTGAGCGCTACATGGACGTCCTGAGAACAACAGCACGGC
TATGAGGCGGGTTCGGTGGCCCTGCACGTGGAGAAGCTGCCCAATGAGCCCAACCGCTTG
CTTATCTCCACGGCTTCTGGACGAAAACGTGCACTTTTTCCACACAACTTCTCTGTC
TCCCAACTGATCCGAGCAGGAAACCTTACCAGCTCCAGATCTACCCCAACGAGAGACAC
AGTATTCGCTGCCCGAGTCGGGCGAGCACTATGAAGTCACGTTGCTGCACTTTCTACAG
GAATACCTC

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Restriction Sites: Please inquire
ACCN: AF452102

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:	AF452102.2 , AAL47179.1
RefSeq Size:	4295 bp
RefSeq ORF:	2592 bp
Locus ID:	91039
Cytogenetics:	19p13.3
Domains:	Peptidase_S9, DPPIV_N_term
Protein Families:	Druggable Genome, Protease
Gene Summary:	This gene encodes a protein that is a member of the S9B family in clan SC of the serine proteases. The protein has been shown to have post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. Although the activity of this protein is similar to that of dipeptidyl peptidase 4 (DPP4), it does not appear to be membrane bound. In general, dipeptidyl peptidases appear to be involved in the regulation of the activity of their substrates and have been linked to a variety of diseases including type 2 diabetes, obesity and cancer. Several transcript variants of this gene have been described but not fully characterized. [provided by RefSeq, Jul 2008]