

Product datasheet for **SC124039**

DPP9 (NM_139159) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP9 (NM_139159) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP9
Synonyms:	DP9; DPLP9; DPP IX; DPRP-2; DPRP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC124039 sequence for NM_139159 edited (data generated by NextGen Sequencing)

```

ATGCGGAAGGTTAAGAACTGCGCCTGGACAAGGAGAACACCGGAAGTTGGAGAAGCTTC
TCGCTGAATTCGAGGGGGCTGAGAGGATGGCCACCACCGGGACCCCAACGGCCGACCGA
GGCGACGCAGCCGCCACAGATGACCCGGCCGCCGCTTCCAGGTGCGAAGCACTCGTGG
GACGGGCTCCGGAGCATCATCCACGGCAGCCGCAAGTACTCGGGCCTCATTGTCAACAAG
GCGCCCCACGACTTCCAGTTTGTGCGAAGACGGATGAGTCTGGGCCCACTCCCACCCG
CTCTACTACCTGGGAATGCCATATGGCAGCCGAGAGAACTCCCTCTACTCTGAGATT
CCCAAGAAGTCCGAAAAGAGGCTCTGCTGCTCCTGTCTGGAAGCAGATGCTGGATCAT
TTCCAGGCCACGCCCCACCATGGGGTCTACTCTCGGGAGGAGGCTGCTGAGGGAGCGG
AAACGCCTGGGGTCTTCGGCATCACCTCTACGACTTCCACAGCGAGAGTGGCCTTTC
CTTTCCAGGCCAGCAACAGCCTTCTCCACTGCCGCGACGGCGGCAAGAACGGCTTCATG
GTGTCCCCTATGAAACCCTGGAATCAAGACCCAGTGTCTAGGGCCCCGGATGGACCCC
AAAATCTGCCCTGCCACCTGCCTTCTCTCCTTCATCAATAACAGCGACCTGTGGGTG
GCCAACATCGAGACAGGCGAGGAGCGGGGCTGACCTTCTGCCACCAAGGTTTATCCAAT
GTCTGGATGACCCCAAGTCTGCGGGTGTGGCCACCTTCTCATACAGGAAGAGTTCGAC
CGTTCCTACTGGTACTGGTGGTCCCCACAGCCTCCTGGGAAGGTTTCAGAGGGCCTCAAG
ACGCTGCGAATCCTGTATGAGGAAGTCGATGAGTCCGAGGTGGAGGTATTACAGTCCCC
TCTCTGCGCTAGAAGAAAGGAAGACGGACTCGTATCGGTACCCAGGACAGGCAGCAAG
AATCCCAAGATTGCCTTGAAACTGGCTGAGTTCAGACTGACAGCCAGGGCAAGATCGTC
TCGACCCAGGAGAAGGAGCTGGTGCAGCCCTTCCAGCTCGTGTCCCGAAGGTGGAGTAC
ATCGCCAGGGCCGGTGGACCCGGATGGCAAATACGCTGGGCCATGTTCTGGACCCG
CCCCAGCAGTGGTCCAGCTCGTCTCTCCCCCGGCCCTGTTTATCCCGAGCACAGAG
AATGAGGAGCAGCGGCTAGCCTCTGCCAGAGTGTCCCCAGGAATGTCCAGCCGTATGTG
GTGACGAGGAGGTACCAACGTCTGGATCAATGTTTCATGACATCTTCTATCCCTTCCCC
CAATCAGAGGGAGAGGACGAGCTCTGCTTCTCCGCGCCAATGAATGCAAGACCGGCTTC
TGCCATTTGTACAAAGTACCGCCGTTTTAAAATCCCAGGGCTACGATTGGAGTGAGCCC
TTCAGCCCCGGGAAGATGAATTTAAGTGCCCCATTAAGGAAGAGATTGCTCTGACCAGC
GGTGAATGGGAGTTTTGGCGAGGCACGGCTCCAAGATCTGGGTCAATGAGGAGACCAAG
CTGGTGTACTTCCAGGGACCAAGGACACGCCGCTGGAGCACCACCTCTACGTGGTCAGC
TATGAGGCGGCCGCGAGATCGTACGCCTCACCACGCCCGGCTTCTCCATAGCTGCTCC
ATGAGCCAGAACTTCGACATGTTTCGTACGCCACTACAGCAGCGTGAAGCAGCCGCTGC
GTGCACGTCTACAAGCTGAGCGGCCCGACGACACCCCTGCACAAGCAGCCCCGCTTC
TGGGCTAGCATGATGGAGGCAGCCAGCTGCCCCCGGATTATGTTCTCCAGAGATCTTC
CATTTCCACACCGCTCGGATGTGCGGCTCTACGGCATGATCTACAAGCCCCACGCTTG
CAGCCAGGGAAGAAGCACCCACCGTCTCTTTGTATATGGAGGCCCCAGGTGCAGCTG
GTGAATAACTCCTTCAAAGGCATCAAGTACTTGGCGCTCAACACACTGGCCTCCCTGGG
TACGCCGTGGTTGTGATTGACGGCAGGGCTCCTGTGACGAGGGCTTCGGTTCGAAGGG
GCCCTGAAAAACCAATGGGCCAGGTGGAGATCGAGGACCAGGTGGAGGGCCTGCAGTTC
GTGGCCGAGAAGTATGGCTTCATCGACCTGAGCCGAGTTGCCATCCATGGCTGGTCTAC
GGGGGCTTCTCTCGCTCATGGGGCTAATCCACAAGCCCCAGGTGTTCAAGGTGGCCATC
GCGGGTCCCCGGTACCGTCTGGATGGCCTACGACACAGGGTACACTGAGCGCTACATG
GACGTCCCTGAGAACAACCAGCACGGCTATGAGGCGGGTTCCTGGCCCTGCACGTGGAG
AAGCTGCCAATGAGCCCAACCGCTTGCTTATCCTCCACGGCTTCTGGACGAAAACGTG
CACTTTTTCCACACAACTTCTCGTCTCCCACTGATCCGAGCAGGGAAACCTTACCAG
CTCCAGATCTACCCCAACGAGAGACACAGTATTCGCTGCCCGAGTCGGGCGAGCACTAT
GAAGTCACGTTGCTGCACCTTCTACAGGAATACCTCTGA

```

Clone variation with respect to NM_139159.4

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_139159 unedited TACGACGCACTATAGGGCGGCCGGAATTCGGCACCAGGCGACCGTGAGGCGCCGCTGGA CCCGGGACGACCTGCCAGTCCGGCCGCCGCCACGTCCCGTCTGTGTCCCACGCCTG CAGCTGGAATGGAGGCTCTCTGGACCCTTTAGAAGGCACCCCTGCCCTCCTGAGGTCAGC TGAGCGGTTAATGCGGAAGGTTAAGAACTGCGCCTGGACAAGGAGAACACCGGAAGTTG GAGAAGCTTCTCGCTGAATTCAGGGGGCTGAGAGGATGGCCACCACCGGGACCCCAAC GGCCGACCGAGGCGACGACGCCACAGATGACCCGGCCGCCGCTTCCAGGTGCAGAA GCACTCGTGGGACGGGCTCCGGAGCATCATCCACGGCAGCCGCAAGTACTCGGGCCTCAT TGCAACAAGGCCGCCACGACTTCCAGTTTGTGAGAAGACGGATGAGTCTGGGCCCA CTCCACCGCCTTACTACCTGGGAATGCCATATGGCAGCCGAGAGAACTCCCTCCTCTA CTCTGAGATTCCTCAAGAAGTCCGAAAGAGGCTCTGCTGCTCCTGCTCCTGGAAGCAGAT GCTGGATCATTTCAGGCCACGCCACCATGGGGTCTACTCTCGGGAGGAGGAGCTGCT GANGGAGCGAAACGCCTGGNGGTCTTNCGCATCACCTCTACGACTTCCACAGCGAGAG TGGCCTCTNTCTTCCAGGCCAGNCACAGCCTTTTCACTGGCGCGACGG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_139159 unedited CCCGGCCAGGAGGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTACGGA AACAGCTATGACCGCGGCCGCAATCTAGATTTAGGCACCCCTTGTCTTCTGTCTTTTATT TTTTATTTATTTGAGACAGAGTTTCGCTCTTGTGCCCAGGCTGGAGTGCAATGGTGCG ATCTTGGCTCACCGCAACCTCCACCTCCCGGGTCAAGCNANNCTCCTGCCTCANCCTCC CNAGTAGCTGGGATTATAGGCACGCGCCACCACACCCGGTAATTTTTTGTATTTTTAGT ACAGACGGGGTTCCCATGTTGGCCAGGCTGGTCTTGAACCTCCCAACCTCAGGTGATCC GCCCGCTCAGCCTCCCAAAGTGTGGGATTACAGACGTGAGCCACCGGGCCCGGCTGT CTTTAAATAATTATGAAAAATATCCCCCAAACAAAACCCACACCTCAAGTTGGGGAGG CTGGGCCGGGGGACACGCAATTGCATGCTTGCCTGCTGTGGACGGTGGCTGGCCGGACC CAGGGGACTGAGAGGTCACAGGGAGCCCGAGGCGAGAGCAACCCGCTCCTCTGAGTCTT TTCTGGCCTTCCAGTGTCTACAGGGTGGTACCTCCTCTCCANAAGGCGGGAGAGAA GGGCTGCCCTACTCACCTTTTTTGTGTGCACCTATATCCGCAGGCATAACACCAAACC GTAAAAAAGGATAAATGCGTCGAGCGCAGAAGCACTCG</p>
Restriction Sites:	Please inquire
ACCN:	NM_139159
Insert Size:	4300 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).
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:	NM_139159.3 , NP_631898.2

RefSeq Size:	4286 bp
RefSeq ORF:	2553 bp
Locus ID:	91039
UniProt ID:	Q86TI2
Cytogenetics:	19p13.3
Domains:	Peptidase_S9, DPPIV_N_term
Protein Families:	Druggable Genome, Protease
Gene Summary:	<p>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]</p>