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Product datasheet for SC106216

DPP9 (AL832280) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP9 (AL832280) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP9
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AL832280, the custom clone sequence may differ by one or more nucleotides

CGCCGGATCGCCTCTGATCTTGGAAGCTAAGCACGGTCAGGCCTGGTTAGTACGTGGATGGGAGATTAGA
TTAGTTCATTCCTTAAAAGCAAGGGCTCCGGATTTGAGGGATCAGACTGACCCGGTCGGCCGCTGCGTGA
CCTTGAGAAGATTGGCGATTTGGGCATCTCTGAGCCCCAGTTTTCTCGTCTGTAAAACAGATGATGAGAT
GATGACCACTCTCGCTTCGCCTGCTGGCTGGGCAGATGGAATGAATGAGCTGCTGGCGTCCCTCAAGCCC
AGCGGTGCCTGGTGCACTTTGAGCCCTTGCTGAATGGAATGGCACTCAGCTAACTCGCTGTTAATACCCT
GGTCTTCCAGTATGGCAGAGCCCGGAAAAACACCCGGGCCTCTGGGCCAGCCAGATCTGCCACCATGGAT
CTAAGCCCCAAAGCAAAAACAGGAAGCAGTGTTTTCCCATGAATCATTCTCTGCAAGCCTCCGGTACCCA
GGCTGAAAAGGCTTCTAGAGCCAGCTCCTTGGGAAATCCTTGCAAATTCATGTTATTCCTCTGTAATTGT
TGGGGTGACCCAGTCTGTCAGTCTCCCTCCCTTCCTGGGTTACACGCTTAAATTTTGCTTTTCCCTTCCT
CAGCCTGAGTGATGGAATTGGTGGGGTGGGAGTTGGAGGTGCCGGCCCGGCCATTGGGTGATTTCTCCTG
TGCTGTGCTTAGTGGGGGCGGCTGGCACAAAGATGTATGTTTTGATTGATGCCATAGGCATACAAGGGTT
GTCAACTTAAAGTCAGCCTGATTTCCCTTGGTAGGTTGGGACTGTTGATCGGACACACTTGCCCTCCAGG
AGGCCAGCAACTGGCTGAGGGAATGAAGGGGTCTCTGGGTCTCAGTTTCCTTCTCTGTGAAAGGAGAAGC
CTCTTGGTCCGAAGAGCTGCTGGCTCTGCCCGCATCTGTCTCGTTAACCCAGGCAGTCGCTGCTGTTCCT
CTGCTGGAAGACAGAGCTCTACCTGCCCTGGATTGCTGGGCCCCTCAAATGAGGGGGTGGGCGGGTGTGA
ATGTGCTTTGAAGGTGCTAACAACTTGCTAGTCACACAGATTCCTAGAAAGCCGAAGGGCCTTGCTTAGA
ACTGGAGAAAATCACCAGGGATCTAATGGTAATGATCTGGAAGTCTCCGAAGGCAGGTCCTGAGGCTTTT
GAGAAAATAAAAATTGAGACAACCCTAAAGAGATATTTAGTAGTTTGGCAAATAAAATCCACTAACACGT
CCTCGGATACAGAGCAGTAGGATATTTCGTTTTGCCCCTAACCAGGCCTTCCCTGTCGTTGCAGTCCACA
TTGACTTCCAGGGAGGGGGCCTCACATAAAGTACCTGCTGTGCATCTGGCCCTGTGATAGCTTCTTAAAC
TGTAGCATCTCTTTCCACCCCACATGGGTCCGTTACTCTAAAGAGGAGTCAGACTTAGCAAGGTGAGGCA
GGCCAGTAACTGGAGCTGCTTCTAATGGAGTGGTCATTCAGGGACAGGCACCCCTTTGCAGAAAGCATTT
CCCAGCTTGTGAAACCCATTCTGCCTGTTTCTGAGCTCTGTATTCTTACCCCTTCCCCGTGGTTTGCCAT
TTTCTTCTCAGGGGTTACCCTGTTTCCCTTCTCAATTATTTTTAAGTTTCTGCAATGCCAGGTCAGCACG
AGATGCTACTAATATAGCCCTCCCTGGGCTGGATGTAGATCAGGCACTGAGTCTCTTGTTAGTTGGATGG

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GTGGACTGGGTACTCAAGTAAAGGTGGGTACGATTTTTTTTAGGGCAAAGTACTCTTGGAAAAAAAAGTG
ACATGAATTGGCATGACCGTTCAGGAAGGATGATGGTCTGTTTGGAATGCAGGCTCAGGGAGGGAAGAGG
GAAGAAATGGAGGACCAGATCATGGAAGATCTAACATGTCTCATTGACATCTCAGACTCAACATACATAC
TCCAAGCCAAATTTGTGTTTCCCACGTGCTCTTCCCCTAAAAGGGAACACCGTTCCTCCAGCTGTTCAGG
CCCCAAACCTTGGACTCCTGTTTCACTCTCTGCTTCGCTACTGCGCCACATTTTAATTTTAGTAAATCCT
TCTGACTCCACATTCAAAGTATCTTCAGAATCTAACAGATTTCCCTGGCTTCCTCTGCCTCCACCCACGA
CTAAGCTATCTTCCCCCACCTGACTTATTGCCCCCAGACTCCCGAAAACCAAACAGGTCTCCTTGCTTTC
ACCCTTGTTGCCCTGGGGGTCTGTTCACAACACTCGCTGGAGTGGCTGAAACACAAGACAGGCCTCTAGT
GGCTTCCCACCTCGGTGAAAGCCAGAGTCCTTACCGTGGCCTCGGCTCCAGCGTTCTTGCCTCCTTGCTG
CTTCTTGAACATGCCACACATCTGTCTTGGTACCTGCTAGTTATTGCCTTTGCCTGGACATTTTCTCAGA
TAGCTGCAAGTCTTGCTCCCTGTCTTCTCTTTGGTTTTTCTTTTTTAATTTGAGGTGGAGGCTTACTGTC
GCCCAAGCTGGAGTGCGGTGGCGTGATCTTGGGTCACTGCAACCTCCACCTGCCGGGTTCAGGCAAATCT
CCTGCCTCAGCCTCCCGAGTAGTGGGGACTACAGGTACGTGCCAATTCACCTGGCTAATTTTTGTATTTT
TTAGTAGGTAACGGGGTTTCGCCGTGTTGGCCAGGCTGATCTTGAACTCCCAACCTCAAGTGATCTGCTC
GCTCGCCTTGGCCTCCCAAAGTCCTGGGATACAGGCGTGAGCCACCACACTAGGCCTTTCCCTTTGGTTT
ATACTTAGATGTAGTCACCTTAGTAGAGGGGTGTCCCCGGAATAGAATTTTCCATCCCCGGCCTTCTGTC
TTTCTCATTGCTGACAATAAGTAGGAAGCAAGCTAACAAGCAGCAGGCTACGGCTGCCTACAAGTGTACA
TAGGTATCTGCCTGTCCCCCTAACTGGGCATCAGCTCCAGGCCAGCAGGGCTTTCCCCTCTCTTTCAGTC
ACTGCCGTGTCCTCGCCTAAGAGAGTGTCTGGCACACAGTAGGTGCTCAGTGAGTTACTCATTGATTAAA
AAGCCTGGAAAACCAGGCTGTGTCGTGAAGATAATAGGCAGCCACTGAGGTCTTACTGCATGAGAACAAG
GAAAGCTCAGCTCAGTGTAGATTGCCGGACCTAAATTTTGTGGAATCGCCTTTCATACCTAAGAGGCGAG
CACCGTTGCCAGCTTTGCACTTGGAGCCCCCTCTGTCATTTATTTTGTTGACTTAAAAGCTGTTTTGTGA
ACCCAGCATAATGGCACTTCTTAAACTTGTAGAAAAAGGGTGTTTCTTACCTGTTTATTTCAACACATCT
CGTTGCCTCACCTGGAGAGGCAACTCTCCTCTGTAGAGTGAAAGACTATAATGGTGGCCATGTAGAAACT
AATATTCCAGAAGGAGAGAGCTCCAAGAAGGGGATTCCAGTGAACCATATGTACACTGTGTTTGAGAGAC
ATTAGTTCCCCACGGAGAAGGGATGGATAGTCTGTGCTTCGGGGGTCTAAGGAAGGCTTCCTGCAGGTGC
TGGTACCTCCTTAGGTCTGGGGTGGTTCCTTCTAAGTTTCCTTACCCTGCCTGCATCACCTCTGCCTCTT
ATGACCTCTGTGCAAAGACTGGGAAGGGTCACCCCCAATGGCTGTGAACGAACCTGTTTGTGATTCTAAA
CAGGGCACGGGACCATCCTACAATAAAAATTACCCAGCCTAAAATGCCAGTAGTGCCAGTAGTCCCTGTT
TAGAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for AL832280 unedited
NGGTGTCAGATTTTGTAATACGACTCACTTATAGGGCGGCCGCGATTCGGCACGAGGTTG
GATGGGTGGACTGGGTACTCAAGTAAAGGTGGGTACGATTTTTTTTTGGGCAAAGTACTC
TTGNGAAAAAAAAGTGACATGAATTGGCATGACCGTTCAGGAAGGATGATGGTCTGTTTG
GAATGCAGGCTCAGGGAGGGAAGAGGGAAGAAATGGAGGACCAGATCATGGAAGATCTAA
CATGTCTCATTGACATCTCAGACTCAACATACATACCCCAAGCCAAATTTGTGTTTCCCA
CGTGCTCTTCCCCTAAAAGGGAACACCGTTCCTCCAGCTGTTCAGGCCCCAAACCTTGGA
CTCCTGTTTCACTCTCTGCTTCGCTACTGCGCCACATTTTAATTTTAGTAAATCCTTCTG
ACTCCACATTCAAAGTATCTTCAGAATCTAACAGATTTCCCTGGCTTCCTCTGCCTCCAC
CCACGACTAAGCTATCTTCCCCCACCTGAATTATTGCCCCCAGACTCCCGAAAACCAAAC
AGGTCTCCTTCCTTTCACCCTTGTTGCCCTGGGGGTCTGTTCACAACACTCGCTGGAGTG
GCTGAAACACAAGACAGGCCTCTAGTGGCTTCCCACCTCGGTGAAAGCCAGAGTCCTTAC
CGTGGCCTCGGCTCCAGCATTCTTGCCTCCTTGCTGCTTCTTGAACATGCCACACATCTG
TCTTGGTACCTGCTGGTTATTGCCTTTGCCTGNACATTNTCTCAGATAGCTGCAAGTCTT
GCTCCCTGTCTTCTCTTTGGGTTTTCTTTNTTAATTTGAGGTGGAGGCTTACTGTCGCCC
ATGCTGGAGTGCGGTGGGCGTGATCTTGGGTCACTGCACCTNCACTGGCGGNNTCANNGC
AATCTCTGCTCACCCTCCGATAN

Restriction Sites: NotI-NotI

ACCN: AL832280

Insert Size:	3700 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:	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:	AL832280.1
RefSeq Size:	3800 bp
RefSeq ORF:	3800 bp
Locus ID:	91039
Cytogenetics:	19p13.3
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]