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Product datasheet for SC116568

DPP3 (NM_005700) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP3 (NM_005700) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP3
Synonyms:	DPPIII
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC116568 sequence for NM_005700 edited (data generated by NextGen Sequencing)

ATGGCGGACACCCAGTACATCCTGCCCAATGACATCGGCGTGTCTAGCCTGGACTGCCGT
GAGGCCTTCCGCCTGCTGTCACCCACAGAGCGCCTCTATGCCTACCACCTGTCCCGTGCC
GCCTGGTACGGAGGCCTGGCTGTGCTGCTTCAGACCTCCCCTGAGGCCCCCTACATCTAT
GCTCTGCTCAGCCGCCTCTTCCGCGCCCAGGACCCCGACCAGCTGCGCCAACATGCCCTG
GCTGAAGGCCTTACCGAGGAGGAGTATCAGGCGTTCCTGGTCTATGCCGCGGGTGTTTAC
TCCAACATGGGCAACTACAAGTCCTTTGGTGACACCAAGTTTGTTCCCAACTTGCCCAAG
GAAAAGCTGGAACGGGTGATCCTAGGGAGTGAGGCTGCTCAGCAGCACCCAGAAGAAGTC
AGGGGCCTCTGGCAGACCTGCGGGGAGCTTATGTTCTCTCTGGAGCCAAGGCTTCGACAC
CTCGGACTGGGGAAGGAGGGAATCACCACCTATTTCTCTGGGAATTGTACCATGGAAGAT
GCCAAATTGGCCCAGGACTTTCTGGACTCACAGAACCTCAGTGCCTACAACACCCGGCTC
TTCAAAGAGGTCGATGGAGAAGGGAAGCCCTACTACGAGGTGCGGCTGGCTTCTGTGCTT
GGCTCAGAGCCTTCCCTGGACTCTGAGGTGACTTCCAAGCTGAAGAGCTATGAATTCCGG
GGAAGCCCTTTCCAGGTGACCCGGGGGGACTACGCGCCCATCCTCCAGAAGGTGGTGGAG
CAGCTGGAGAAAGCCAAGGCCTATGCAGCCAACAGCCACCAGGGGCAGATGCTGGCCCAG
TATATAGAGAGCTTCACCCAGGGCTCCATCGAGGCCCACAAGAGGGGCTCCCGCTTCTGG
ATCCAGGACAAAGGCCCCATCGTGGAGAGTTACATCGGGTTCATCGAGAGCTACCGCGAC
CCCTTTGGTTCCCGAGGAGAATTTGAAGGTTTCGTAGCTGTGGTGAACAAGGCCATGAGT
GCCAAGTTTGAGCGGCTGGTGGCGAGCGCAGAGCAGCTGCTGAAGGAGCTGCCCTGGCCC
CCAACCTTTGAGAAGGACAAGTTCCTCACCCCTGACTTCACCTCCCTGGATGTTCTCACC
TTCGCTGGCTCCGGCATCCCTGCCGGCATCAACATCCCCAACTACGATGATCTGAGGCAG
ACGGAAGGCTTTAAGAACGTGTCGCTGGGGAATGTGCTGGCTGTGGCCTACGCCACGCAG
CGGGAGAAGCTTACCTTTCTGGAGGAGGATGACAAGGACCTGTACATCCTCTGGAAGGGG
CCCTCCTTCGATGTGCAGGTGGGCCTGCACGAGCTGCTGGGCCATGGCAGTGGCAAGCTC
TTCGTACAGGACGAAAAAGGAGCATTCAACTTTGACCAGGAAACAGTGATCAACCCAGAG
ACGGGCGAGCAGATTCAGAGCTGGTATCGGAGCGGGGAGACCTGGGATAGCAAGTTCAGC
ACCATCGCCTCCAGCTACGAAGAGTGCCGGGCTGAGAGCGTGGGTCTCTACCTCTGTCTC
CACCCGCAAGTGCTGGAGATCTTTGGCTTTGAGGGGGCTGATGCGGAGGACGTGATCTAC
GTGAACTGGCTCAACATGGTTCGGGCCGGGCTGCTCGCTCTGGAGTTCTACACACCTGAG
GCCTTCAACTGGCGACAGGCCCATATGCAGGCCCGGTTTGTGATCCTGAGAGTCTTGCTG
GAGGCTGGCGAGGGACTCGTTACCATCACTCCCACCACAGGCTCCGATGGGCGCCCAGAT
GCCCGGGTCCGCCTCGACCGCAGCAAGATCCGGTCTGTGGGCAAGCCTGCTCTAGAGCGC
TTCCTGCGGAGACTTCAGGTGCTGAAGTCCACAGGGGATGTGGCCGGAGGGCGGGCCCTG
TACGAGGGGTATGCAACAGTCACTGATGCGCCCCCCGAGTGCTTCCTCACCCTCAGGGAC
ACGGTGCTGCTGCGTAAGGAATCTCGGAAGCTCATTGTTCAGCCCAACACTCGCCTTGAA
GGCTCAGACGTGCAGCTTCTGGAATACGAGGCGTCAGCTGCTGGCCTCATCCGATCCTTC
TCTGAGCGTTTCCCAGAGGATGGACCCGAGTTGGAGGAGATCCTCACACAGCTGGCCACA
GCCGATGCCCGATTCTGGAAGGGCCCCAGTGAGGCCCCATCTGGCCAAGCTTGA

Clone variation with respect to NM_005700.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005700 unedited
GTTAGNAATTTTGTATACGACTCACTATAGGGCGGCCCGCGATTCGGCACGAGGCTGCTG
CAGCAGGGCCCATGGCGGACACCCAGTACATCCTGCCCAATGACATCGGCGTGTCTAGCC
TGGACTGCCGTGAGGCCTTCCGCCTGCTGTCACCCACAGAGCGCCTCTATGCCTACCACC
TGTCCCGTGCCGCCTGGTACGGAGGCCTGGCTGTGCTGCTTCAGACCTCCCCTGAGGCCC
CCTACATCTATGCTCTGCTCAGCCGCCTCTTCCGCGCCCAGGACCCCGACCAGCTGCGCC
AACATGCCCTGGCTGAAGGCCTTACCGAGGAGGAGTATCAGGCGTTCCTGGTCTATGCCG
CGGGTGTTTACTCCAACATGGGCAACTACAAGTCCTTTGGTGACACCAAGTTTGTTCCCA
ACTTGCCCAAGGAAAAGCTGGAACGGGTGATCCTAGGGAGTGAGGCTGCTCAGCAGCACC
CAGAAGAAGTCAGGGGCCTCTGGCAGACCTGCGGGGAGCTTATGTTCTCTCTGGAGCCAA
GGCTTCGACACCTCGGACTGGGGAAGGAGGGAATCACCACCTATTTCTCTGGGAATTGTA
CCATGGAAGATGCCAAATTGGCCCAGGACTTTCTGGACTCACAGAACCTCAGTGCCTACA
ACACCCGGCTCTTCAAAGAGGTCGATGGAGAAGGGAAGCCCTACTACGAGGTGCGGCTGG
CTTCTGTGCTTGGCTCAGACCTTCCCTGGACTCTGAGGTGACTTCCAAGCTGAAGAGCTA
TGAATTCCCGGGAAGCCCTTTTCAGNTGACCCGGGGGGACTACGCGCCCATCCTTCAGAA
NGTGGTTGGAGCAGCTGGNAGAAGCCCAGGCCTATGCAGCCAACAGCCACCAGGGGCAGA
TGCTGGCCCAGTATATAGAGAGCCTCACCCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005700 unedited
CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGTGGTTGTCTCTATATTTATTTGT
CTGGTTATAAAATTAATATGTGAGGAGCATTGGATTTGGTGAGAACGTTTTGAACCCTAT
CTGTCACGTGCCACCTGCGGGATCTAGACCAGTGACTTCTCAGAACTGCCATTTCCTCAT
CTGGTAGACAGGATGGTAAGCCCTGTCTTGCTCACTCCACGTATGGCAGTGCAGATGAAA
TGAGATCACAGAGGGGAAGCAATTGGCAGGCTGGAAAGTGCTGACAAATGGAAGGGGTTG
TGTCACCACCCTCAGCTGAGGTAGTACCAAGGTCCAAGCTCCTGCCCCTCCCCCTCCCCA
GCCCCTAAATACACACACGAATGGAGGGCCACTTGCAGCCTTGGTCTGATGGAATTGGGG
GCAAGGCCACACATCTTCCTCAAGCTTGGCCAGATGGGGCCTCACTGGGGCCCTTCCAGA
ATCGGGCATCGGCTGTGGCCAGCTGTGTGAAGATCTNCTCCAACTCGGGTCCATCCTCTG
GGAAACGCTCATAGAAAGATCGGATGAGGCCAGCAGCTGACGCCTCGTATTCCAGAAGCT
GCACGTCTGAACCTTCAAAGCGAGTGTTGGGCTGAACAATGAGCTTCCGAGATCCCTACG
CAGCAGCACCGTGTCCCTGAAGGTGAAGAAGCACTCCGGGGGGCGCATCATTGACTGTTG
CATCCCCTCGTACAGGGCCCGCCTCCGGCCACATCCCTGTGGACTTAACCCCCGAATCCC
CGCAAGAACGCTTTAAACAGCTTGCCCCAAACCGATCTGCTGGGTTCAGACGACCCGGCT
TCGGCCCCCTCGGACTGTGGGGGATTGAGTACAATCCTTCCCTCCCCAAAAATTTAGATC
CAAACGGCCCGTTGGCCTGCCCCCTTGAGCCTAGTGGTAAATCCAAGACACCCGGCCAAC
TTTTATC

Restriction Sites: NotI-NotI

ACCN: NM_005700

Insert Size: 2700 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:	NM_005700.2, NP_005691.2
RefSeq Size:	2684 bp
RefSeq ORF:	2214 bp
Locus ID:	10072
UniProt ID:	Q9NY33
Cytogenetics:	11q13.2
Domains:	Peptidase_M49
Protein Families:	Druggable Genome, Protease
Gene Summary:	This gene encodes a protein that is a member of the M49 family of metallopeptidases. This cytoplasmic protein binds a single zinc ion with its zinc-binding motif (HELLGH) and has post-proline dipeptidyl aminopeptidase activity, cleaving Xaa-Pro dipeptides from the N-termini of proteins. Increased activity of this protein is associated with endometrial and ovarian cancers. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2012] Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1 and 2 encode the same isoform.