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Product datasheet for SC111256

DPP2 (DPP7) (NM_013379) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPP2 (DPP7) (NM_013379) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPP2
Synonyms:	DPP2; DPPII; QPP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF sequence for NM_013379 edited
GGAAGCGACATGGGCTCCGCTCCCTGGGCCCCGGTCCTGCTGCTGGCGCTCGGGCTGCGC
GGCCTCCAGGCGGGGGCCCGCAGGGCCCCGGACCCCGGCTTCCAGGAGCGCTTCTTCCAG
CAGCGTCTGGACCACTTCAACTTCGAGCGCTTCGGCAACAAGACCTTCCCTCAGCGCTTC
CTGGTGTCGGACAGGTTCTGGGTCCGGGGCGAGGGGCCCATCTTCTTCTACACTGGGAAC
GAGGGCGACGTGTGGGCCTTCGCCAACAACTCGGCCTTCGTCGCGGAGCTGGCGGCCGAG
CGGGGGGCTCTACTGGTCTTCGCGGAGCACCGCTACTACGGGAAGTCGCTGCCGTTCGGT
GCGCAGTCCACGCAGCGCGGGCACACGGAGCTGCTGACGGTGGAGCAGGCCCTGGCCGAC
TTCGCAGAGCTGCTCCGCGCGCTACGACGCGACCTCGGGGCCCAGGATGCCCCCGCCATC
GCCTTCGGTGGAAGTTATGGGGGGATGCTCAGTGCCTACCTGAGGATGAAGTATCCCCAC
CTGGTGGCGGGGGCGCTGGCGGCCAGCGCGCCCGTTCTAGCTGTGGCAGGCCTCGGCGAC
TCCAACCAGTTCTTCCGGGACGTCACGGCGGACTTTGAGGGCCAGAGTCCCAAATGCACC
CAGGGTGTGCGGGAAGCGTTCCGACAGATCAAGGACTTGTTCCTACAGGGAGCCTACGAC
ACGGTCCGCTGGGAGTTCGGCACCTGCCAGCCGCTGTCAGACGAGAAGGACCTGACCCAG
CTCTTCATGTTCGCCCGGAATGCCTTCACCGTGCTGGCCATGATGGACTACCCCTACCCC
ACTGACTTCCTGGGTCCCCTCCCTGCCAACCCCGTCAAGGTGGGCTGTGATCGGCTGCTG
AGTGAGGCCCAGAGGATCACGGGGCTGCGAGCACTGGCAGGGCTGGTCTACAACGCCTCG
GGCTCCGAGCACTGCTACGACATCTACCGGCTCTACCACAGCTGTGCTGACCCCACTGGC
TGCGGCACCGGCCCCGACGCCAGGGCCTGGGACTACCAGGCCTGCACCGAGATCAACCTG
ACCTTCGCCAGCAACAATGTGACCGATATGTTCCCGGACCTGCCCTTCACTGACGAGCTC
CGCCAGCGGTACTGCCTGGACACCTGGGGCGTGTGGCCCCGGCCCGACTGGCTGCTGACC
AGCTTCTGGGGGGGTGATCTCAGAGCCGCCAGCAACATCATCTTCTCCAACGGGAACCTG
GACCCCTGGGCAGGGGGCGGGATTCGGAGGAACCTGAGTGCCTCAGTCATCGCCGTCACC
ATCCAGGGGGGAGCGCACCACCTCGACCTCAGAGCCTCCCACCCAGAAGATCCTGCTTCC
GTGGTTGAGGCGCGGAAGCTGGAGGCCACCATCATCGGCGAGTGGGTAAAGGCAGCCAGG
CGTGAGCAGCAGCCAGCTCTGCGTGGGGGGCCCAGACTCAGCCTCTGAGCACAGGACTGG
AGGGGTCTCAAGGCTCCTCATGGAGTG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013379 unedited
GCAGATTTTGTAAACATTATTAGGCGGCCGCGATTCGCACGAGGAAGCGACATGGGCTCC
GCTCCCTGGGCCCCGGTCCTGCTGCTGGCGCTCGGGCTGCGCGGCCTCCAGGCGGGGGCC
CGCAGGGCCCCGGACCCCGGCTTCCAGGAGCGCTTCTTCCAGCAGCGTCTGGACCACTTC
AACTTCGAGCGCTTCGGCAACAAGACCTTCCCTCAGCGCTTCCTGGTGTCGGACAGGTTC
TGGGTCCGGGGCGAGGGGCCCATCTTCTTCTACACTGGGAACGAGGGCGACGTGTGGGCC
TTCGCCAACAACTCGGCCTTCGTCGCGGAGCTGGCGGCCGAGCGGGGGGCTCTACTGGTC
TTCGCGGAGCACCGCTACTACGGGAAGTCGCTGCCGTTCGGTGCGCAGTCCACGCAGCGC
GGGCACACGGAGCTGCTGACGGTGGAGCAGGCCCTGGCCGACTTCGCAGAGCTGCTCCGC
GCGCTACGACGCGACCTCGGGGCCCAGGATGCCCCCGCCATCGCCTTCGGTGGAAGTTAT
GGGGGGATGCTCAGTGCCTACCTGAGGATGAAGTATCCCCACCTGGTGGCGGGGGCGCTG
GCGGCCAGCGCGCCCGTTCTAGCTGTGGCAGGCCTCGGCGACTCCAACCAGTTCTTCCGG
GACGTCACGGCGGACTTTGAGGGCCAGAGTCCCAAATGCACCCAGGGTGTGCGGGAAGCG
TTCCGACAGATCAAGGACTTGTTCCTACAGGGAGCCTACGACACGGTCCGCTGGGAGTTC
GGCACCTGCCAGCCGCTGTCAGACGAGAAGGACCTGACCCAGCTCTTCATGTTCGCCCGG
AATGCCTTCACCGTGCTGGCCATGATGGACTACCCCTACCCCACTGACTTNCTGGGTCCC
CTNCCTGCCAACCCCGTCAAGGTGGGCTGTNGATCGCTGCTGATTGAGGCCCANNANATC
ACGGGGCTGCGAGCCTGGCAGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013379 unedited
NAAATGGGCCAGCGTTCATCTCCCCTCCTTGCCCCGCTGCTTGAGTGAACCCCCCTCCTG
AGGAGCCTTGAGACCCCTCCAGTCCTGTGCTCAGAGGCTGAGTCTGGGCCCCCCACGCAG
AGCTGGCTGCTGCTCACGCCTGGCTGCCTTTACCCACTCGCCGATGATGGTGGCCTCCAG
CTTCCGCGCCTCAACCACGGAAGCAGGATCTTCTGGGTGGGAGGCTCTGAGGTCGAGGTG
GTGCGCTCCCCCCTGGATGGTGACGGCGATGACTGAGGCACTCAGGTTCCTCCGAATCCC
GCCCCCTGCCCAGGGGTCCAGGTTCCCGTTGGAGAAGATGATGTTGCTGGCGGCTCTGAG
ATCACCCCCCCAGAAGCTGGTCAGCAGCCAGTCGGGCCGGGGCCACACGCCCCAGGTGTC
CAGGCAGTACCGCTGGCGGAGCTCGTCAGTGAAGGGCAGGTCCGGGAACATATCGGTCAC
ATTGTTGCTGGCGAAGGTCAGGTTGATCTCGGTGCAGGCCTGGTAGTCCCAGGCCCTGGC
GTCGGGGCCGGTGCCGCAGCCAGTGGGGTCAGCACAGCTGTGGTAGAGCCGGTAGATGTC
GTAGCAGTGCTCGGAGCCCGAGGCGTTGTAGACCAGCCCTGCCAGTGCTCGCAGCCCCGT
GATCCTCTGGGCCTCACTCAGCAGCCGATCACAGCCCACCTTGACGGGGTTGGCAGGGAG
GGGACCCAGGAAGTCAGTGGGGTAGGGGTAGTCCATCATGGCCAGCACGGTGAAGGCATT
CCGGGCGAACATGAAGAGACTGGTCAGGTCTTCTCGTCTGAAACCGGCTGGCAGGTGCCG
AACTTCCAACGGACCGTGTCCTAAGCTCCTTGTAGAAACAAGTCCTGATCTGTCGG

Restriction Sites: NotI-NotI

ACCN: NM_013379

Insert Size: 1750 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_013379.2, NP_037511.2
RefSeq Size:	1633 bp
RefSeq ORF:	1479 bp
Locus ID:	29952
UniProt ID:	Q9UHL4
Cytogenetics:	9q34.3
Domains:	abhydrolase
Protein Families:	Protease
Gene Summary:	The protein encoded by this gene is a post-proline cleaving aminopeptidase expressed in quiescent lymphocytes. The resting lymphocytes are maintained through suppression of apoptosis, a state which is disrupted by inhibition of this novel serine protease. The enzyme has strong sequence homology with prolylcarboxypeptidase and is active at both acidic and neutral pH. [provided by RefSeq, Jul 2008]