

Product datasheet for **RN212272**

Dpp10 (NM_001012205) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpp10 (NM_001012205) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dpp10
Synonyms:	DPP X; DPPY
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212272 representing NM_001012205
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACCAAACCTGCCAGCGTGTCCCATCACATCAAGTGTGAGCCCTCCAAAACCATCAAGGAACCTGGGAA
 GTAACAGCCCTCCCAAAGAAACTGGAAGGAATTGCCATTGCTCTACTGGTGATCTTGGTAGTATGCTC
 CCTCATACAATGTCTGTCTCATCTGTAAACACCAGATGAGCTAACAAATCTTCAGAAAACAGACTGTCA
 CTAGAGGAGCTTTTGGGAAAAGGGTTTGGACTTCATAATCCAGAAGCTCGATGGATCAATGATACAGATG
 TGGTATAAAAACCGACAATGGGCACGTCATGAAGCTGAATGCAGAAAACAAACGCTACCACGTTGTTATT
 GGACAACCAACTTTTCGTAACCTTTAAAGCATCCAGACACTCACTTTCCCGAGATTTAAAATATGTTCTC
 CTGGCATACGACGTCAAGCAGATTTTTCATTACTATTTACCGCTTCATATTTGATTTACAACATACACA
 CTGGGGAAGTGTGGGAGTTGAATCCCCAGAAGTTGAGGACTCAGTGTTCAGTATGCGGCCTGGGGTGT
 GCAAGGACAGCAGCTGATTTATATTTTTGAAAACAATATCTACTACCAACCTGATATCAAGAGCAGTTCT
 TTAAGACTGACATCTTCAGGAAAAGAAGGAATTGTTTTAATGGGATTGCTGACTGGTTATATGAAGAGG
 AACTTCTGCATTCTCATATTGCTCACTGGTGGTCAACCCGACGGAGAGAGACTTGCCTTCCTGATGATAAA
 TGACTCCTTGGTGCTAACATGTTTATACCTCGGTTTACTGGAGCACTATACCCCAAAGCAAAGCAGTAC
 CCATACCCCAAGGCAGGTCAAGCGAATCCATCAGTGAAGTTATATGTTGTAACCTGTATGGACCAACTC
 ATACTTTGGAGCTGATGCCACCCGACATTTTTAAATCAAGAGAATATTACATCACCATGGTTAAATGGGT
 GAGCAACACCAGGACAGTGGTCAGATGGTTGAATCGTCCTCAGAACATCTCCATCCTCACAGTCTGTGAG
 TCTACCACCGGGCATGCAGTAGGAAATACGAAATGACATCTGACACCTGGATCTCTAAACAGAACGAGG
 AGCCAGTGTTTTCTAGAGATGGAAGCAAGTTCTTCATGACTGTTCTGTCAAACAAGGTGGAAGAGGAGA
 ATTCACACATAGCTATGTTCTGGTCCAGAGTAAAAGCGAGCAAATTACGGTGCAGATCTGACATCA
 GAAAACCTGGGAAGTGATAAGGATCTTGGCCTATGATGAAACAACCTCAAAAATCTACTTTCTGAGCACAG
 AATTTTCTCCCGAGGGAGACAGCTATACAGTGTCTTACTGAAGGACTATTGAGTCGTGATTGCATCTC
 ATGCAACTTTAGGAAAGAAGATTGCACGTATTTTATGATGCCAGCTTTAGTCCCATGAATCAACATTTCTG
 TTATTCTGTGAAGGTCAAAGGTCCCAATGGTAAGCCTTCACAGCACAGACAACCCATCAAATTATTACA
 TCTTGGAAAGAATTTCTATGATGAAAGAACTATTGAAAGAAGAAGCTCGCAAAGAGAGAGATTAGAAT
 ACTTCACATTGATGACTACGAACCTCCTTTACAGTTGTCCTTTCTAAAGACTTTTTGGAGAAAAACCG
 TATGCTCTTCTACTAATAATAGATGAAGAACCAGGAGCCAGATGGTGACAGAAAAATTTTATGTTGACT
 GGGATTCAAGTTCTTATTGACACCGATAATGTCATTGTAGCAAGATTTGATGGCAGAGGAAGTGGATTCCA
 GGGCCTCAAAGTTTTGCAGGAGATTCACAGAAGGACAGGCTCAGTAGAGGCAAAGGACCAATAGCAGCT
 ATAAAATATTTACTGAAACAGCCATATATTGACTCCAAAAGATTAAGCATTTTTGGAAAGGGATATGGGG
 GATACATTGCATCAATGATCCTAAAATCAGATGAGAAGTTTTTCAAATGTGGAACCGTGGTTGCACCCAT
 CTCAGACATGAAGTTGTATGCCTCAGCTTTCTCTGAGAGGTACCTTGGTATGCCATCAAAGGAAGAAAGC
 ACTTACCAGGCATCCAGTGTACTGCATAACATTCATGGTTTAAAAGAAGAAAATTTATTAATAATTACAG
 GAACTGCTGATACAAAAGTTCAATTTCCAGCATTACGAGAATTGATCAAGCATCTGATAAAAGCTGGGGT
 GAATTACACTCTGCAGGCTATCCAGATGAAGGATATCACATTTACAGACAAGCAAGCATCATTTTTTAC
 AGCACAATTTCTCAGATTTCTCAGTGATTGCCTAAAGGAAGAAGTATCCGTGCTGCCACAGGAACCCAGAAG
 AAGATGAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001012205
Insert Size: 2391 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:	<u>NM_001012205.1</u> , <u>NP_001012205.1</u>
RefSeq Size:	2391 bp
RefSeq ORF:	2391 bp
Locus ID:	363972
UniProt ID:	<u>Q6Q629</u>
Cytogenetics:	13q11-q12
Gene Summary:	Promotes cell surface expression of the potassium channel KCND2. Modulates the activity and gating characteristics of the potassium channel KCND2 (PubMed:16123112, PubMed:19901547). Has no dipeptidyl aminopeptidase activity (Probable).[UniProtKB/Swiss-Prot Function]