

## Product datasheet for **RR212272**

### **Dpp10 (NM\_001012205) Rat Tagged ORF Clone**

#### **Product data:**

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



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ORF Nucleotide  
Sequence:

>RR212272 representing NM\_001012205  
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGGATCGCC**

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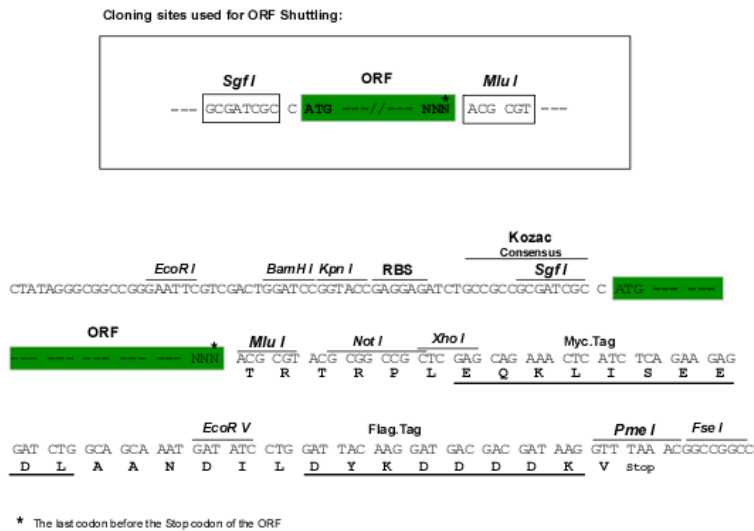
Protein Sequence: >RR212272 representing NM\_001012205  
 Red=Cloning site Green=Tags(s)

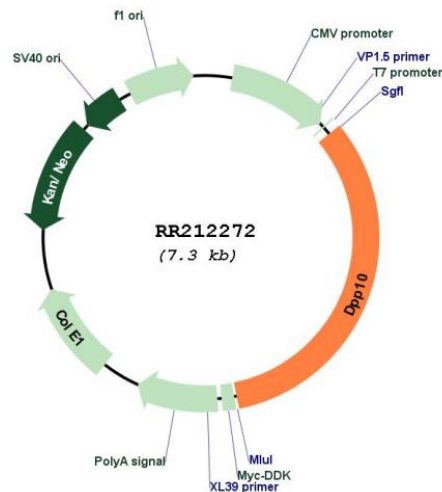
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 LAYDVKQIFHYSFTASYLIYNIHTGEVWELNPPEVEDSVLQYAAGVQGGQLIYIFENNIYYQPDIKSSS  
 LRLTSSGKEGIVFNGIADWL YEEELLHSHIAHWWSPDGERLAF LMINDSLVPMV IPRFTGALYPKAKQY  
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 STTGACSRKYEMTSDTWISKQNEEPVFSRDGSKFFMTVPVKQGGGRGEFH HIAMFLVQSKSEQITVRHLTS  
 GNWEVIRILAYDETTQKIYFLSTEFSPRGRQLYSASTEGLLSRDCISCNFRKEDCTYFDASFPMNQHFL  
 LFCGPKVPMVSLHSTDNPSNYILERN SMMKETIQKKLAKREIRILHIDDYELPLQLSFPKDFLEKNQ  
 YALLLIIDEEPPGQM VTEKFHVDWDSVLIDTDNVI VARDGRGSGFQGLKVLQE IHRRTGSVEAKDQIAA  
 IKYLLKQPYIDSKRLSIFGKGYGGYI ASMILKSDEKFFKCGTVVAPISDMKLYASAFSERYLGMP SKEES  
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 STILRFFSDCLKEEVS VLPQEPEEDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001012205

**ORF Size:** 2388 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001012205.1](#), [NP\\_001012205.1](#)

**RefSeq Size:** 2391 bp

**RefSeq ORF:** 2391 bp

**Locus ID:** 363972

**UniProt ID:** [Q6Q629](#)

**Cytogenetics:** 13q11-q12

**MW:** 90.9 kDa

**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]