

## Product datasheet for **MR210746**

### **Dpp6 (BC048383) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dpp6 (BC048383) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpp6
Synonyms:	D5Buc3, D5Buc5, D5Buc4, Rw
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR210746 representing BC048383  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACCACAGCCAAGGAGCCAGCGCCTCAGGAAATCTGTACAGCAGCAGGATCAGGAGCTGGTGGGA  
 GTAACTCCACAGAGGAACTGGAAAGGAATCGCCATTGCGCTGCTCGTCATCCTTGTCTCTGCTCTCT  
 GATTGTACCTCAGTCATCCTGTTGACCCAGCGGAAGATACCAGTCTGTCTCAGAAGAAAAAGTACT  
 GTGGAAGATCTTTCAGTGAAGACTTCAAAATCCATGACCCAGAGGCAAAGTGGATAAGCAATAAGGAAT  
 TCATCTACAGAGAACGGAAAGGAGTGTACTGCGGAATGTTGAAACAAATAATCCACGGTGTAAAT  
 AGAAGGCAAAAAATGAATCCTTGAGAGCCATCAGATATGAAATATCCCGAGATAAGAGTATGTGCTG  
 TTCTCTATAATGTGGAGCCGTATACCAACACTCCCACACTGGATATTATGTTCTGAGCAAAATCCTC  
 ATGGGGACCTCAGAGTCTGGACCCACCAGAAGTCAGCAACGCAAAGCTTCAGTATGCAGGGTGGGGCC  
 AAAAGGCCAGCAGCTGATATTTATCTTTGAGAACAACATCTACTACTGTGCACACGTTGGAAAGCAGGCA  
 ATTCGAGTGGTCTCTACAGGGAAGGAGGGCGTGATCTACAATGGCCTCAGTACTGGCTGTATGAAGAGG  
 AGATTCTGAAGAGCCACATCGCTCATTGGTGGTACCAGATGGTACAAGGCTCGCCTATGCCACCATCAA  
 CGACTCCCGGTTCCACTTATGGAGCTGCCAACGTACACAGGCTCTGTCTACCCACTGTGAAGCCCTAC  
 CACTATCCTAAGGCTGGCAGTGAACCCAGCATCTCGTCCATGTCATCGGCTTGAATGGACCCACCC  
 ACGACCTGGAGATGATGCCACCTGATGACCCGCGCATGAGGGAATATTACATCACCATGGTGAATGGGC  
 CACCAGCACAAGGTCGCTGTGACCTGGCTGAACCGGGCCAGAATGTGTCAATCCTGACCTCTGTGAT  
 GCCACCACGGGTGTGCACTAAGAAACATGAAGATGAAAGCGAAGCCTGGCTCCACAGAGCAAGTGAAG  
 AGCTGTGTTCTCAAAGATGGCAGGAAGTTTTCTTTGTCAGAGCGATCCACAGGGAGGCCGGGTAA  
 ATTCTACCATATACCGTATCATCATCCAGCCCAACAGCAGCAATGACAACATCCAGTCTATCACCTCT  
 GGAGACTGGGATGTGACCAAGATCCTGTCTATGATGAGAAGCGGAATAAGATCTATTTCTGAGCACAG  
 AAGACCTGCCACGGAGACGACATCTCTACAGTGCCAACACGGTAGATGACTTCAACAGGCAGTGTCTGTC  
 ATGTGACTTGGTGGAGAAGTGCACCTATGTCAGCGCTTCTTTCAGCCATAACATGGACTTCTTCTGCTC  
 AAGTGTGAAGGCCCTGGCGTACCCACTGTTACTGTGCATAACACCACGGACAAGAGAAGAATGTTTGACT  
 TGAAGCAAAATGAGGAAGTTCAGAAGGCTATCAACGACCCGAGATGCCGAAGATTGAATATCGAAAAAT  
 TGAAGTAGAAGATTACAGCTTGCCAATGCAAACTTTGAAGCCGGCCACCTTCACCGACACAGCTCACTAC  
 CCCTTATTGCTCGTGGTGGATGGTACCCAGGGAGTCAGAGCGTGACAGAGAGGTTTGGAGTACCTGGG  
 AAACAGTGTGGTGGAGCAGCCATGGAGCCGTGGTGGTCAAGTGTGACGGCCGAGGAGCGGCTTCCAGGG  
 AACCAAGCTCCTACAGGAAGTACGGAGGCGGCTAGGCTTCTGGAGGAGAAGGACCAGATGGAAGCTGTA  
 AGAACTATGCTGAAGGAGCAGTATATTGACAAGACTCGGGTAGCTGTGTTTGGGAAGGATTATGGTGGGT  
 ACCTGAGCACTTACATCCTCCAGCCAAGGGAGAAAAATCAAGGTGAGACTTTCACCTGCGGCTCTGCGCT  
 CTCTCCAATAACAGACTTCAAATCTATGCCTCTGCATTTCTGAGAGGTACCTTGGCCTCCATGGACTC  
 GACAACAGAGCGTATGAGATGACCAAGCTGGCACACCGAGTGTGAGCACTGGAGGACCAGCAGTTCCTGA  
 TCATCCACGCCACGGCCGATGAAAAATCCATTTCCAGCACACAGCTGAGCTCATCACGCAGCTGATCAA  
 GGGAAAGGCCAATTACAGCTTACAGATCTACCCAGATGAGAGTCACTACTTCCACAGCGTGGCGCTCAAG  
 CAGCACCTGTCCAGGTCCATCATCGGCTTCTTTGTGGAATGTTTCAGAGTCCAAGATAAGCTACCAACAG  
 CCACAGCAAAAGAGGAGGAGGAGGAGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210746 representing BC048383  
Red=Cloning site Green=Tags(s)

MTTAKEPSASGKSVQQDQELVGSNPPQRNWKGIALLVILVICSLIVTSVILLTPAEDTSLSQKKKVT  
VEDLFSDFKIHDPEAKWISNKEFIYRERKGSVILRNVEITNNSTVLIIEGKKIESLRAIRYEISPDKEYVL  
FSYNVEPVYQHSHTGYVLSKIPHGDPQSLDPPEVSNAKLQYAGWGPKGQQLIFIFENNIYYCAHVKGQA  
IRVVSTGKEGVIYNGLSDWLYEEEEILKSHIAHWWSPDGTRELAYATINDSRVPLMELPTYTGSVYPTVKPY  
HYPKAGSENPISLHVIGLNGPTHLEMPDDPRMREYYITMVKWATSTKVAVTWLNRAQNVSILTLCD  
ATTGVCTKKHEDESEAWLHRQNEEPVFSKDGRKFFFVRAIPQGGRGKIFYHITVSSSQPNSSNDNIQSITS  
GDWDVTKILSYDEKRNKIYFLSTEDLPRRRHLYSANTVDDFNQCLSCDLVENCTYVSASF SHNMDFFLL  
KCEGPGVPTVTVHNTTDKRRMFDLEANEEVQKAINDRQMPKIEYRKIEVEDYSLPMQILKPATFTDTAHY  
PLLLVVDGTPGSQSVTERFEVETWETVLVSSHGAVVVKCDGRSGFGQTKLLQEVRRRLGFLEEKDQMEAV  
RTMLKEQYIDKTRVAVFGKDYGGYLSYILPAKGENQGQTFTCGSALSPITDFKL YASAFSERYLGLHGL  
DNRAYEMTKLAHRVSALEDQQLIIHATADEKIHFOHTAELITQLIKGKANYSLQIYPDESHYFHSVALK  
QHLSRSIIIGFFVECFRVQDKLPTATAKEEEEEED

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**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:** [BC048383](#), [AAH48383](#)

**RefSeq Size:** 3389 bp

**RefSeq ORF:** 2411 bp

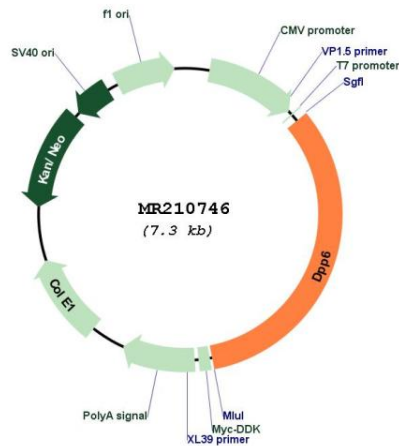
**Locus ID:** 13483

**Cytogenetics:** 5 12.92 cM

**MW:** 124.2 kDa

**Gene Summary:** Promotes cell surface expression of the potassium channel KCND2 (PubMed:22311982). Modulates the activity and gating characteristics of the potassium channel KCND2 (PubMed:22311982). Has no dipeptidyl aminopeptidase activity (By similarity). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR210746