

Product datasheet for **MR207585**

Dpp10 (BC063074) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpp10 (BC063074) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpp10
Synonyms:	DPRP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR207585 representing BC063074
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTAAATGGGTGAGCAACACGAGGACAGTGGTCAGGTGGTTGAATCGGCCTCAGAACATCTCCATCC
 TCACACTCTGTGAATCTACCACCGGGCATGCAGCAGGAAATATGAGATGACGTCGACACCTGGCTCTC
 TAAACAGAACGAGGAGCCAGTGTTCAGAGATGGAAGCAAGTCTTCATGACTGTTCTGTTAAACAA
 GGTGGAAGAGGAGAATCCACCACATAGCTATGTTCTGGTCCAGAGTAAAAGCGAGCAAATACGGTGC
 GGCATCTGACATCAGGAACTGGGAAGTATAAGGATCTTGGCCTATGATGAAACAACCTCAAAAAATTTA
 CTTTCTGAGCACAGAATCTTCTCCCAAGGAGGCAACTATACAGTGCTTCTACTGAGGGACTATTGAAT
 CGTGATTGCATCTCATGCACTTTATGAAAGAAGATTGCACGATTTTGTGATGCCAGCTTTAGCCCCATGA
 ATCAACATTTCTGTTATCTGTGAAGGTCCAAGGTCCCAGTGGTCAGCCTTCACATCACAGACAACCC
 ATCAAGGTATTTCTCTTGGAAAACAATCTGTGATGAAAGAACTATTCAGAAGAAGAGCTCGCAAAG
 AGAGAGACTAGAATACTTACATTGATGACTATGAACTTCTTTACAGTTGTCTTTCCCAAAGATTTTA
 TGGAGAAAAACCAGTATGCTCTTCTATTAATAATGGATGAAGAACCAGGAGGCCAAATGGTGACAGATAA
 GTTCCATGTTGACTGGGATTCAGTTCTTATTGACACCGATAATGTATTGTAGCAAGATTTGATGGCAGA
 GGAAGTGGATCCAGGGCCTGAAAGTTTTCAGGAGATTCACAGAAGGATAGGCTCAGTGGAGGCAAAGG
 ACCAAGTAGCTGCTGTAATAATTTACTGAAACAGCCATATTTGACTCCAAAAGATTAAGCATTITTTGG
 AAAGGGATATGGGGCTATATTGCATCAATGATCTTAAATCAGATGAGAAGTTTTTCAAATGTGGAGCC
 GTGGTTGCACCCATCTCAGACATGAAGTTGTATGCCTCAGCTTTCTGAAACGGTACCTTGGCATGCCAT
 CAAAGGAAGAAAGCACTTACCAGCATCCAGTGTACTGCATAACATTCATGGTTTAAAAGAAGAAAAATTT
 ATTAATAATTCACGGAAGTCTGATACAAAAGTTCAATTCAGCATTTCAGCAGAATTGATCAAGCATCTG
 ATAAAAGCTGGGGTGAATTACACTCTGCAGGTCTATCCAGATGAAGGATATCACATTTACAGACAAGGCA
 AGCATCATTTTTACAGCACAATTCTCAGATTCTCAGTGATTGTCTAAAGGAAGAGGTATCTGTGCTGCC
 ACAGGAACCAGAAGAAGATGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207585 representing BC063074
 Red=Cloning site Green=Tags(s)

MVKWVSNTRTVVRWLNRPQNI SILTLCESTTGACSRKYEMTSDTWLSKQNEEPVFSRDGSKFFMTVPVKQ
 GGRGEFHFIAMFLVQSKSEQITVRHLTSGNWEVIRILAYDETTQKIYFLSTESSPQGRQLYASTEGLLN
 RDCISCNFMKEDCTYFDASFPMNQHFLLFCEGPKVPVSLHITDNPSRYFLENNNSVMKETIQKKLAK
 RETRILHIDDYELPLQLSFPKDFMEKNQYALLIMDEEPGGQMVTDKFHVDWDSVLIDTDNVIVARFDGR
 GSGFQGLKVLQEIHRRIGSVEAKDQVAAVKYLLKQPYIDSKRLSIFGKGYGGYIASMILKSDEKFFKCGA
 VVAPISDMKLYASAFSERYLGMPSKEESTYQASSVLHNIHGLKEENLLIIHGTADTKVHFQHSael IKHL
 IKAGVNYTLQVYPDEGYHISDKSKHFFYSTILRFFSDCLKKEEVSVLPQPEEDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

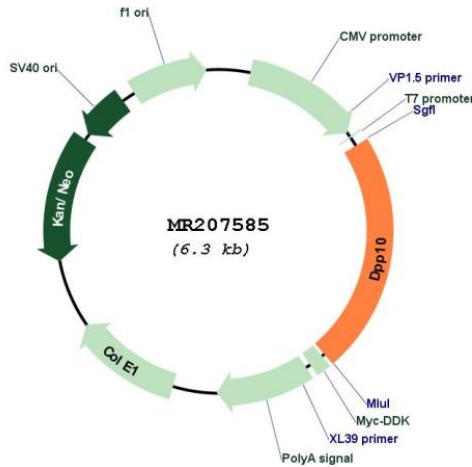
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC063074

ORF Size: 1422 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: [BC063074.1](#)

RefSeq Size: 3602 bp

RefSeq ORF: 1424 bp

Locus ID: 269109

Cytogenetics: 1 E2.3

MW: 54.3 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 (Probable).[UniProtKB/Swiss-Prot Function]