

Product datasheet for **MG207585**

Dpp10 (BC063074) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpp10 (BC063074) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dpp10
Synonyms:	DPRP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207585 representing BC063074
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTAAATGGGTGAGCAACACGAGGACAGTGGTCAGGTGGTTGAATCGGCCTCAGAACATCTCCATCC
 TCACACTCTGTAATCTACCACCGGGCATGCAGCAGGAAATATGAGATGACGTCCGACACTGGCTCTC
 TAAACAGAACGAGGAGCCAGTGTTCAGAGATGGAAGCAAGTCTTCATGACTGTTCTGTTAAACAA
 GGTGGAAGAGGAGAATCCACCACATAGCTATGTTCTGGTCCAGAGTAAAAGCGAGCAAATACGGTGC
 GGCATCTGACATCAGGAACTGGGAAGTATAAGGATCTTGGCCTATGATGAAACAACCAAAAAATTTA
 CTTTCTGAGCACAGAATCTTCTCCCAAGGAGGCAACTATACAGTGCTTCTACTGAGGGACTATTGAAT
 CGTGATTGCATCTCATGCACTTTATGAAAGAAGATTGCACGATTTTGTGATGCCAGCTTTAGCCCCATGA
 ATCAACATTTCTGTTATCTGTGAAGGTCCAAGGTCCAGTGGTCAGCCTTCACATCACAGACAACCC
 ATCAAGGTATTTCTCTTGGAAAACAATCTGTGATGAAAGAACTATTCAGAAGAAGACTCGCAAAG
 AGAGAGACTAGAATACTTACATTGATGACTATGAACTTCTTTACAGTTGTCTTTCCCAAAGATTTTA
 TGGAGAAAAACCAGTATGCTCTTCTATTAATAATGGATGAAGAACCAGGAGGCCAAATGGTGACAGATAA
 GTTCCATGTTGACTGGGATTCAGTTCCTTATTGACACCGATAATGTATTGTAGCAAGATTTGATGGCAGA
 GGAAGTGGATCCAGGGCCTGAAAGTTTTCAGGAGATTCACAGAAGGATAGGCTCAGTGGAGGCAAAGG
 ACCAAGTAGCTGCTGTAATAATTTACTGAAACAGCCATATATTGACTCCAAAAGATTAAGCATTTTTGG
 AAAGGGATATGGGGCTATATTGCATCAATGATCTTAAATCAGATGAGAAGTTTTCAAATGTGGAGCC
 GTGGTTGCACCCATCTCAGACATGAAGTTGTATGCCTCAGCTTTCTGTAACGGTACCTTGGCATGCCAT
 CAAAGGAAGAAAGCACTTACCAGGCATCCAGTGTACTGCATAACATTCATGGTTTAAAAGAAGAAATTT
 ATTAATAATTCACGGAAGTCTGATACAAAAGTTCATTTCCAGCATTACGAGAATTGATCAAGCATCTG
 ATAAAAGCTGGGGTGAATTACACTCTGCAGGTCTATCCAGATGAAGGATATCACATTTACAGACAAGGCA
 AGCATCATTTTTACAGCACAAATCTCAGATTCTCAGTGATTGTCTAAAGGAAGAGGTATCTGTGCTGCC
 ACAGGAACCAGAAGAAGATGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207585 representing BC063074
 Red=Cloning site Green=Tags(s)

MVKWVSNTRTVVRWLNRPQNISILTLCESTTGACSRKYEMSDTWLSKQNEEPVFSRDGSKFFMTVPVKQ
 GGRGEFHFIAMFLVQSKSEQITVRHLTSGNWEVIRILAYDETTQKIYFLSTESSPQGRQLYSASTEGLLN
 RDCISCNFMKEDCTYFDASFSPMNQHFLLFCEGPKVPVSLHITDNPSTRYFLENNVSMKETIQKKLAK
 RETRILHIDDYELPLQLSFPKDFMEKNQYALLIMDEEPGGQMTDKFHVWDVSVLIDTDNVIVARFDGR
 GSGFQGLKVLQEIHRRIGSVEAKDQVAAVKYLKQPYIDSKRLSIFGKGYGGYIASMILKSDEKFFKCGA
 VVAPISDMKLYASAFSERYLGMPSKEESTYQASSVLHNIHGLKEENLLIIHGTAADTKVHFQHSaelIKHL
 IKAGVNYTLQVYPDEGYHISDKSKHHFYSTILRFFSDCLKEEVSVLPQEPPEDE

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

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

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]