

## Product datasheet for **MG204087**

### Dppa4 (BC064754) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Dppa4 (BC064754) Mouse Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: Dppa4  
 Synonyms: 2410091M23Rik; C76608; ECAT15-1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >MG204087 representing BC064754  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGACTGCTGGAGACAAGAAGTGGAGCGCAGAAGAGCCGAAGGAAGAAGTGGAAATGCAGATGTCTA  
 GTCAACCAGGCACGGCTCCTGCAAAGGCTAAAGCAACGGGGAAAAACAAAAGAAGTCGGAGACAGATAA  
 TGGTTGTAACCAAAGGAGGGGAAGACCACAAGACTGAGACGCCAGGACAGACTCGTAGGAAGGTACCA  
 ATTCCTCCTATTCAGAGTATCTGCCCCAGTGAACCTGATTCACCGAGATGTTTTGCGGGCATGGTGCC  
 AGAAGAAACGAGTGAGCAGCAAAGGCCAGAAATTAGATGCTTATAAACGACTCCTTGCAAGGGCTTTCCC  
 AGAACAAATGCTGGAGTTGAGGAACGTCCTGACTCAGCCAAAGACGCCAGGTTGAAGACAGCTCACAAA  
 AAAATGAAGACTGAACCGGGGAGGAGTCTGAGGTGACAGTTCCTCTGGAATGGTCCCTGTGCCAGAGG  
 AGCAGATACCTGCCCTCATTGACCCTCCTATGCTCTATGAGGAAGTCAGCACCACCGTAGTGACTACACC  
 TGCCACTGAGGCCGTGTAGCATCTTGGGCCAGAATTGCATCCAATGCTAAGAAGTACGAGGCAGTGCCA  
 GCCGATGCTTCGTCCTCATCAGAAGTCAAAGGGGAAATGTGGTGTGTGGTTCATGGGACCAGCCTTCCTG  
 GGAACCTCGCGTGGTTGGGTTTCGGCTGCAGTTCACGCTGGACAAGCCTGGGTACCCGATAAGAAAGGAAA  
 AGCCATTGCCCTTCTGCTTCCGGCCTGCACATTTCCACCCACACCTGGAGGACAACATGCTGTGC  
 CCAAGTGTGTTTCATAAGAACAAGATCTTGACTAAGAGCCTCGAAGGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204087 representing BC064754  
Red=Cloning site Green=Tags(s)

METAGDKKWSAEEPKEEVELQMSSQPGTAPAKAKATGKKQKKSETDNGCKPKEGRPQDTETPGQTRRKVP  
 IPPPIPEYLPPVNLIHRDVLRAWCQKKRVSSKGQKLDAYKRLRARAFPEQMLELRNVPDSAKDARLKTAKH  
 KMKTEPGESEVTVPLEMVPVPEEQIPALIDPPMLYEEVSTTVVTPATEAVLASWARIASNAKKYEAVP  
 ADASSSSEVKGEMWCVVHGTSLPGNSRGWVRLQFHAGQAWVPDKKGKAIALFLLPACTFPPPHLEDNMLC  
 PKCVHKNKILTKSLEG

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC064754

**ORF Size:** 890 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:** [BC064754](#), [AAH64754](#)

**RefSeq Size:** 1460 bp

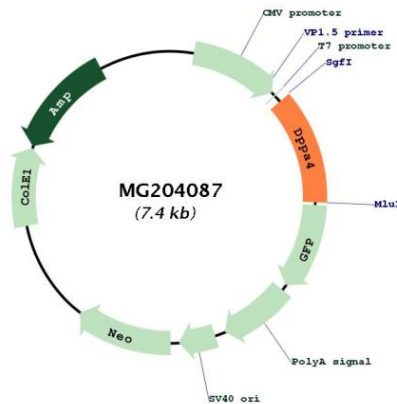
**RefSeq ORF:** 890 bp

**Locus ID:** 73693

**Cytogenetics:** 16 B5

**Gene Summary:** May be involved in the maintenance of active epigenetic status of target genes. May inhibit differentiation of embryonic stem (ES) cells into a primitive ectoderm lineage. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG204087