

## Product datasheet for **MG200548**

### **Dppa5 (BC092353) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dppa5 (BC092353) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dppa5
Synonyms:	AA536857; Dppa5; ecat2; Esg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<p>&gt;MG200548 representing BC092353            Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC<b>CGATCGCC</b></p> <p>ATGATGGTGACCCCTCGTGACCCGTAAAGATATCCCCCGTGGGTGAAAGTTCCTGAAGACCTGAAAGATC            CAGAAGTATTCCAGGTCCAGTCGCTGGTCTGAAATATCTGTTGGCCACAGGGATCTCGAATGTCTCA            CATCGAGCAGGTGAGCCAGGCCATGTTTGAGCTGAAGAACCTGGAATCTCCGAAGAAGTTATCGAGGTC            TTCATTTACGGCTCTCAAAACAACAAGATTCGGGCTAAATGGATGCTTCAGTCCATGGCTGAGAGGTACC            ACCTGCGCCAGCAAAAAGGAGTCTGAAGCTGGAGGAATCCATGAAGACCCTGGAGCTAGGCCAGTGTAT            CGAG</p> <p><b>ACGCGT</b>ACGCGGCCGCTCGAG - GFP Tag - GTTTAA</p>
Protein Sequence:	<p>&gt;MG200548 representing BC092353            Red=Cloning site Green=Tags(s)</p> <p>MMVTLVTRKDIPPWVKVPEDLKDPEVFQVQSLVLKYLFGPQGSRMSHIEQVSQAMFELKNLESPEELIEV            FIYGSQNNKIRAKWMLQSMARYHLRQQKGVLEESMKTLELGQCIE</p> <p><b>TR</b>TRPLE - GFP Tag - V</p>
Restriction Sites:	Sgfl-MluI


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## Cloning Scheme:



ACCN: BC092353

ORF Size: 354 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC092353](#), [AAH92353](#)

RefSeq Size: 597 bp

RefSeq ORF:	356 bp
Locus ID:	434423
Cytogenetics:	9 E1
Gene Summary:	Involved in the maintenance of embryonic stem (ES) cell pluripotency. Dispensable for self-renewal of pluripotent ES cells and establishment of germ cells. Associates with specific target mRNAs.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG200548