

## Product datasheet for **MG216143**

### Dpt (NM\_019759) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dpt (NM\_019759) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Dpt  
**Synonyms:** 1810032B19Rik; 5033416F05Rik; EQ-1; Eq1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG216143 representing NM\_019759  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACCTCACTCTTCTGTGGTTCTTCTGCCACTGGTGACCACAGCCTGGGGCCAGTATGGTGGCTACG  
 GGTACCCATACCAGCAGTACCAGGACTACGGTGATGATGGATGGTGAATCTTAACCGCCAAGGCTTCAG  
 CTACCAGTGTCCCACGGCAAGTGGTGGTAGCTGTGAGGAGCATCTTTAGCAAGAAGGAAGGCTCTGAC  
 AGACAATGGAATATGCCTGCATGCCTACACCCAAAGCCTGGGGAGCCACTGAGTGTGGTGGGAGG  
 AGATCAACAGGGCCGGCATGGAATGGTACCAGAAGTGCTCCAACAATGGATTGGTGGCGGGTCCAGAG  
 CCGCTACTTCGAATCAGTGTGGATCGTGAGTGGCAATTTACTGCTGCCGCTATAGCAAGAGGTGCCA  
 TATTCCTGCTGGATGACAACAGAGTACCCAAGCCACTATGGGGAAGACATGGACATGATTTCTATGACT  
 ACGATTTTATATGCGAGGAGCAACAACCACTTCTCTGCAAGTGGAAAGGGATCGCCAGTGGAAAGTTCAT  
 CATGTGCCGGATGACTGACTACGACTGCGAATTCGAAAACGTT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG216143 representing NM\_019759  
 Red=Cloning site Green=Tags(s)

MDLTLWVLLPLVTTAWGQYGGYGPYQYQDYGDDGWVNLNRQGFQCPHGQVVAVRSIFSKKEGSD  
 RQWNYACMPTPQSLGEPTCEWEEINRAGMEWYQKCSNGLVAGFQSRFESVLDREWQFYCCRYSKRCP  
 YSCWMTTEYP SHYGEDMDMISYDYDFYMRGATTTFAVERDRQWKFIMCRMTDYDCEFENV

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_019759.3</a>
<b>RefSeq Size:</b>	1636 bp
<b>RefSeq ORF:</b>	606 bp
<b>Locus ID:</b>	56429
<b>UniProt ID:</b>	<a href="#">Q9QZZ6</a>
<b>Cytogenetics:</b>	1 H2.2
<b>Gene Summary:</b>	<p>Seems to mediate adhesion by cell surface integrin binding. May serve as a communication link between the dermal fibroblast cell surface and its extracellular matrix environment. Enhances TGFB1 activity (By similarity). Inhibits cell proliferation. Accelerates collagen fibril formation, and stabilizes collagen fibrils against low-temperature dissociation.</p> <p>[UniProtKB/Swiss-Prot Function]</p>