

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 Neomycin

Selection:

E. coli Selection:

Ampicillin (100 ug/mL)

Vector: pCMV6-AC-GFP (PS100010)

ORF Nucleotide >MG216143 representing NM_019759

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

 ${\tt CATGTGCCGGATGACTGACTACGACTGCGAATTCGAAAACGTT}$

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216143 representing NM_019759

Red=Cloning site Green=Tags(s)

MDLTLLWVLLPLVTTAWGQYGGYGYPYQQYQDYGDDGWVNLNRQGFSYQCPHGQVVVAVRSIFSKKEGSD RQWNYACMPTPQSLGEPTECWWEEINRAGMEWYQKCSNNGLVAGFQSRYFESVLDREWQFYCCRYSKRCP

YSCWMTTEYPSHYGEDMDMISYDYDFYMRGATTTFSAVERDRQWKFIMCRMTDYDCEFENV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



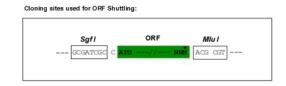
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

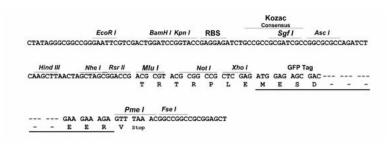
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

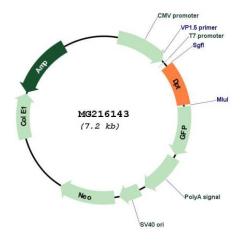


Cloning Scheme:





Plasmid Map:



ACCN: NM_019759

ORF Size: 603 bp



OTI Disclaimer:

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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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. <u>More info</u>

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.

RefSeg: NM 019759.3

RefSeq Size: 1636 bp
RefSeq ORF: 606 bp
Locus ID: 56429
UniProt ID: Q9QZZ6
Cytogenetics: 1 H2.2

Gene Summary:

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.

[UniProtKB/Swiss-Prot Function]