

Product datasheet for MR216143

Dpt (NM_019759) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Dpt (NM 019759) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Dpt

Synonyms: 1810032B19Rik; 5033416F05Rik; EQ-1; Eq1

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-Entry (PS100001) **E. coli Selection:** Kanamycin (25 ug/mL)

ORF Nucleotide >MR216143 representing NM_019759

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CATGTGCCGGATGACTGACTACGACTGCGAATTCGAAAACGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216143 representing NM_019759

Red=Cloning site Green=Tags(s)

MDLTLLWVLLPLVTTAWGQYGGYGYPYQQYQDYGDDGWVNLNRQGFSYQCPHGQVVVAVRSIFSKKEGSD RQWNYACMPTPQSLGEPTECWWEEINRAGMEWYQKCSNNGLVAGFQSRYFESVLDREWQFYCCRYSKRCP

 ${\tt YSCWMTTEYPSHYGEDMDMISYDYDFYMRGATTTFSAVERDRQWKFIMCRMTDYDCEFENV}$

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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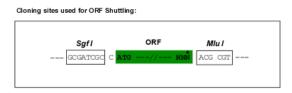
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com ORÏGENE

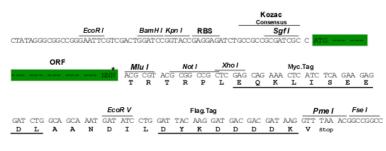
Chromatograms: https://cdn.origene.com/chromatograms/mm9006 d05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

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 customercom 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. 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: <u>NM 019759.3</u>

 RefSeq Size:
 1636 bp

 RefSeq ORF:
 606 bp

 Locus ID:
 56429

 UniProt ID:
 Q9QZZ6

 Cytogenetics:
 1 H2.2

 MW:
 24.4 kDa

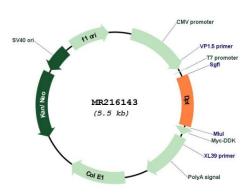
Gene Summary: Seems to mediate adhesion by cell surface integrin binding. May serve as a communication

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]

Product images:



Circular map for MR216143