

Product datasheet for MC223557

Diaph2 (NM_172493) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Diaph2 (NM_172493) Mouse Untagged Clone
Tag: Tag Free
Symbol: Diaph2
Synonyms: Dia3; Diap2; Drf2; E430022I22Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223557 representing NM_172493
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGAGCTCGGGCGCGCGCTCGGGAGCCGGAGGCGCGCGGTGGCGGCGAGGAACACGGCGGGG
 GCCGGAGCAACAAGCGAGGCGCGGGGAACCGGGCCCAACGAAGAGGAGACGAGAAACAAACCCAACT
 GAACATTCAAATAAAACTTTGGCAGATGATGTGCGTGACCGAATTACAAGTTTCAGAAAATCTGCCACC
 AAGAGAGAAAAGCCTGTTATTCAACATTCTATTGATTATCAAAGTGCAGTGGTTGAGATCCCCAGCTC
 TGATAGTACATGATGACCGATCTTTGATTTGTCTGAAAAGGAAGTTCTGGACCTCTTTGAGAAAATGAT
 GGAAGATGAACCTTAATGAAGAAAAGAAAGCTCCTTTGCGAAAAGAGGATTTAGCATCAAGCGTGAG
 ATGGTTGTCCAGTATATTTCTGCTACTTCCAAATCTGGTGGCCTGAAAAACAGCAAAACATGAGTTCACCC
 TTTCTTCAAGAATATGTTTCATGAATTACGATCTGGCATCTCAGATGAGAACTTCTCAACTGCCTGGA
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 GTCTTACTGGATGTGCTGGAGAAGCTTCTGGACAAAAACAGCAAGAAAATATCGACAAGAAGAATCAGT
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 GAGAAGCCTTTACTGTTGGCAAGAGCAATTGACCCGAAACAACAGAATATGATGACTGAAATAGTAAAA
 ATCCTTTCTGCTATTTGCATTGTTGGGGAAGAAAACATTCTAGACAAACTTTTAGGGGCATCACTGCTG
 CAGCTGAACTAAATAATAGAGAACGATTTTACCAATTGTGGAAGGCTTAGAAAATAATGAAGCCTTGCA
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 TCTCAATGACATTCGAGCTGAAATGGATGATTAATGAAGTCTACCATCTGCTGTATAATATGCTGAAG
 GACTGCTGCGAACCTTACTTATTATCCATTCTCCAACACTTCTGCTCATCAGAAATGATTACTACA
 TCAGGCCACAGTATTATAAAATCATTGAGGAGTGTGTTTCACAGATAGTGTACTGACTGAGTGGCATGGA
 CCCAGACTTCAAGTACCGGCAGCGCATAGACTTTGATTTCACTCATCTCCTAGATGCTTGTGTAATAAG
 GCAAAAAGTTGAAGAAAATGAGCAAAAAGCAATGGAATTTCAAAGAAGTTCGATGAAGAATTCACAGCTC



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GTCAGGAAGCTCAAGCAGAGCTTCAGAAAAGAGATGAAAAATCAAAGAAGCTGGAAACAGAAATCCAGCA
GCTTCGAGGACAGGGAGTTCATCTGCAATTCAGGTCCACCTCCACCACCTCCACTGCCAGGTGCAGGA
CCATGCCACCACCACCCTCCTCCTCCACCACCTCCACTCCAGGAGTCGTCCTCCTCCTCCTC
CACCATTACCTGGGATGCCTGGTATTCCACCACCACCCTCCACCACCTTTGTCTGGAGTACCTCCTCACC
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AAATTATATAAGCCTGACATACCTATGAAAAGAATCAACTGGTCCAAGATTGAGCCTAAAGAATTATCCG
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AGATCAAAGACACAAAATCAGCAGATCAAAAATCCACCCTTTTGCAATTTCTTGCTGAAATCTGTGATGA
GAAATACCGGGATATCCTGAAATTTCTGATGAGCTGGAGCATGTGGAAGCGCAGGCAAAGTTTACGCT
CAAATACTCAAGAGCAACCTTGTAGCAATGGAACAAAGCATTCTTCATCTGGAGAAAAACATCAAGAATT
TCCCACCAGCAGAATCGCACCATGATAAGTTTGTGGAAAAGATGATGAGCTTTACCCAGAATGCCAGAGA
ACAGTATGACAACTGTCCACCATGCACAGCAATATGTTGAAGCTCTATGAGAGTCTGGGAGAATACTTC
ATTTTTGACCCGAACACAGTAAACATGGAAGAATTTTTGGTGTCTCAACACCTTCAGAACCCTATTTT
TGAAGCACTGAAAGAAAACCACAAGAGAAGGAAATGGAAGAGAAGAGCAGGAGAGCAAAGCTTGCAAA
AGAGAAAAGCGGAACAAGAGAAGCTGGAACGCCAGAAGAAGAAGCAACTATTGACATAAACAAGAG
GGTGTGAGACGGGAGTATGGATAATCTTCTGGAAGCCCTACAGTACAGTGCAGCATTCAGAGACCGCA
GAAAGCGAATTCCAAGAAATCCAGATAACAGACGGCCCTCTGGAAGATCTCGCTCTCGCCACAATGG
AGCCATGTCATCCAAGTGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:

Sgfl-MluI

ACCN:

NM_172493

Insert Size:

3309 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. [More info](#)

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: [NM_172493.2](#), [NP_766081.1](#)

RefSeq Size: 8456 bp

RefSeq ORF: 3309 bp

Locus ID: 54004

Cytogenetics: X E3

Gene Summary: May be involved in oogenesis.[UniProtKB/Swiss-Prot Function]