

Product datasheet for MC210765

Gdpd3 (NM_024228) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gdpd3 (NM_024228) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gdpd3
Synonyms: 1110015E22Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210765 representing NM_024228
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATCCCTCTCCTGTACTTTGTTCTGCCACCCTGGGCAGTTACGTCATGCTCTCCATCTTCTTCTCTGC
 GCCGACCTCATCTGCTGCACACGCCGGGCTCCCGTCTTCCCTATCCGCTGGCTGCCACCCTGGAGG
 GTCTGGGAGCGACTGGAGAACCACCATGGAAGCAGTAGAGAATCCATGGCCAGCGAGCAGATCTTTG
 GAATTTGACTGCCAGCTACCCGGGATGGCGTGGTGGTAGTGTCACACGACAAGAACCTGTCCCGCCAGT
 CAGGCCTAAATAAGGATGTGAACACCCTGGACTTTGAGGAGCTGCCCCCTACAAGGAAGAGTTGGAAAT
 TTACTTCTCACCAGGCCATTTTGGCCACGGGTCAGACCGGCACATGATTAGTTTGGAGGATGATTCCAG
 AAATTTCCAAGGACTCCCATGTGCTTGGAGGTCAAGAAAGAAATGAAGAAGTCAATTCACAAGGTAGCCA
 ACCTGACTAGGCGCTTTGACCGGAATGAGATTACTATTTGGGCTGCAGAGAAAAGCTCAGTCATGAAGAG
 ATGCAGGGCTGCTAACCCGAGATGCCCATGGCCTTACGATATGGCGATCGTTCTGGATACTGTGCTC
 TACTACCTGGGGCTGCTCCCTTTGTCTCCATCCCTGAGAAGTTTTTCTTCTGTTTCTGCCACCATCA
 TCAACAGGACTTACTTCCATTTTCGCTGGATGGATGAACCAACTGTCGGCTACCATTACAAAATGGAT
 CATCATGAGAAAAGTCTGATCCGACACTTGCAGGACCGAGGGTGCAGGTGCTATTTTGGTGCCTTAAT
 GAAGAATCGGATTTTGAAGTGGCCTTACGCTTGGGAGCCAATGGCGTCATGACCGATTACCCACAGCCC
 TGAGACACTACCTGGACAAGCAGGAAGAAGAGACCCAGCCTCCTCAGCCTGAGGCCCTGTCTGTCTTTC
 TCTTAAAAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_024228



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Insert Size:	993 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
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:	<ol style="list-style-type: none"> 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_024228.2 , NP_077190.2
RefSeq Size:	1081 bp
RefSeq ORF:	993 bp
Locus ID:	68616
UniProt ID:	Q99LY2
Cytogenetics:	7 F3
Gene Summary:	Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines (PubMed:25528375). Shows a preference for 1-O-alkyl-sn-glycero-3-phosphocholine (lyso-PAF) and lysophosphatidylcholine (lyso-PC), and to a lesser extent for lysophosphatidylethanolamine (lyso-PE) (PubMed:25528375). Does not display glycerophosphodiester phosphodiesterase activity, since it cannot hydrolyze either glycerophosphoinositol or glycerophosphocholine (PubMed:25528375).[UniProtKB/Swiss-Prot Function]