

Product datasheet for MC218403

Gdpd3 (BC002172) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdpd3 (BC002172) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gdpd3
Synonyms:	1110015E22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC002172

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

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCGAGCAGATCTCTTGAATTTGACTGCCAGCTACCCGGGATGGCGTGGTGGTAGTGTAC
ACGACAAGAACCTGTCCCGCCAGTCAGGCCTAAATAAGGATGTGAACACCCTGGACTTTGAGGAGCTGCC
CCTCTACAAGGAAGAGTTGGAAATTTACTTCTCACCAGGCCATTTGCCACGGGTCAGACCGGCACATG
ATTAGTTTGGAGGATGTATTCCAGAAATTTCCAAGGACTCCCATGTGCTTGGAGGTCAAAGAAAGAAATG
AAGAACTCATTCAAGGTAGCCAACCTGACTAGGCGCTTTGACCGGAATGAGATTACTATTTGGGCTGC
AGAGAAAAGCTCAGTCATGAAGAGATGCAGGGCTGCTAACCCCGAGATGCCCATGGCCTTCACGATATGG
CGATCGTTCTGGATACTGCTGCTCTACTACCTGGGGCTGCTCCCTTTGTCTCCATCCCTGAGAAGTTT
TCTTCTGTTTCTGCCACCATCATCAACAGGACTTACTTCCCATTTGCTGTGGATGGATGAACCAACT
GTCGGCTACCATTAACAAATGGATCATCATGAGAAAAAGTCTGATCCGACACTTGACGAGCCGAGGGGTG
CAGGTGCTATTTGGTGCCTTAATGAAGAATCGGATTTTGAAGTGGCCTTCAGCTGGGAGCCAATGGCG
TCATGACCGATTACCCACAGCCCTGAGACACTACCTGGACAAGCAGGAAGAAGAGACCCAGCCTCCTCA
GCCTGAGGCCCTGTCTGTCTTTCTCTTAAAAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	BC002172
Insert Size:	828 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC002172</u>
RefSeq Size:	1028 bp
RefSeq ORF:	806 bp
Locus ID:	68616
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]