

Product datasheet for **MC203878**

Gdpd1 (NM_025638) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdpd1 (NM_025638) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gdpd1
Synonyms:	2610020H15Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:	>BC016541 CGGACGCGTGGGTGCCGGCGCTGCGGCCGTTGCTACCATCACAGCACAGTCGGGGTCTCAGGCCAGAAAG GCGGTGACCGAGGATGTCGTCCACCGCGCTTTTTGCCTTCTCTACTCTGGGGGATATTTGGTCACC TCGTTCTTGTGTCTAAATACCCAGCGTTGCTGCACCAGAGAAAGAAACAGCGATTCTCAGTAGGCACA TCTCTACCGCGGAGGTGCTGGAGAAAACCTTGAGAACACAATGGCTGCCTTCCAGCACGCAGTTACCAT TGGGACAGACATGTTAGAACTGGACTGCCATATCAGAAAAGATGAGCAAGTTGTAGTGACATGATGCA AACCTGAAGAGGTCAACTGGGGTCAATGTAACGTCTCTGATCTCAAATATTGTGAGCTCCACCTTACC TTTGCAAGCTGGATGTCCCATTTTCAGAGAGCCTGCAAGTGTGAGGGGAAAGATACCCGGATCCCCTTGCT GAAGGAAGTGTGAGGCCTTCCCTGAGACCCCATTAACATCGACATCAAAGTGAACAACAATGTGCTG ATCAAGAAGGTCTCAGAACTGGTGAAGCAGTATAAGCGAGAACATCTGACAGTGTGGGGCAATGCCAACT CTGAGATTGTAGACAAGTGTACAAAGAGAACTCAGACATTCTATACTCTTCAGCCTGCAGCGTGTCT GCTCATCTGGGCTTGTCTTACCGGCCCTTGGCCCTTCGTGCCATTGAGAACAGTTCTTTGAAATC CCAATGCCCTCCATCATACTGAAGCTAAAAGAACACACACTATATCAAAGGTCATAAGTTTCTCATCT GGCTTTCTGATACCTTATTGATGCGGAAAGCTCTATTTGACCACCTCACCGCCGGGGCATTCAAGTGTA CGTTTGGGTTTTAAATGAGGAATACGAGTACAAAAGAGCCTTTGATTTGGGAGCAACTGGAGTGATGACG GACTACCAACCAAGCTTAAGGATTTCTTAAACAATTTTTTCAGCATAAAAAAAAAAAGTAACTCCGAAT CATTCAAAGGAGTCATGACCAGAATAGATCTGAGGGAAGGTGTGTTAACCATGGTTCCCCTGGGATTTCC AGGATGATAAAAGGTTTAAATCAGTTAAGTTTTAATACCTCATTTTTTAAGTCTGTACGGGAATGTAGGAA CGTCCCTGTCTTGTGATTTATTTTACCAATATTTGCATATTTTACATTGGTAACTTGTGTTGAAAGTAA CTGGCAACTGAAATGTAGATCATTGATCAAGATGTCTGCATATGATGCAGCTTTCTACTATTGTAATCT GAAATCAAAGACTGGAGGCAACTATGTGTTAGCCTTCACTGAGACAGGATCAACCATAGGAAAGAAGAT TCCTGAGCCGGGCATGGTGACATGAGCCTGCAGTGCCACCACACGGGGTGGGAGCTAAGGCAAGAGGAT CAGGGGGTTGAGGCCAGCTTGGGCTACATAGTAAAAACCCTGTCCTTAATTTTTTTTTTATAAGAAAGC AGAAAATTATTGAAGGCCATTACAGCCGTTCTGAATTATCTCGTATGTCTAGGTGCGTCTTAGTTTAGGG GAAATTGAGGGGAAGAGGAACCCGAAGGTGCAGCCAGGCAAGTGTGTGCTGTTACAGGGGGCAAATTCAA GCCAGTAACAGTTTGTATTACTCAGAAACCAATCTGTGAGCTGAGACAGACTCCTGGGTATGTTGT CAATGGAGACATTCCGATTAGAGTCTTTTTTTTTTTTTTTTTCAGGTGTGTGACAATGCTGTCATGCCATA TTTTTTCTTATGTCTTTAAAAAAAATAGACATTATAAAATAAGATCCAATTAGTCATGTTTTATGTT TCCTTAAAACTACTCGATTCTTACCTTTGGGCTTGACTAGACTGATCCTGGGTCTGAGTTGTCACTGAT GTGGCAACCTATAGTATTGGCTGGTGACAACACTGTTGCGGGCGTGTAGCATGAGCCACATGCTCC TGATCTCTCTCACTTCTCTGAAGCGCAGACCCAGCCAGAGTTAACCCAGCATTATACACCACTTCTCTGC CTCCGATGTGACTCCATGCAGACCTGTCCCTGGCCTTTGTGACTAATTTAATGATGTGAGATTGGGAGA TAAATTAGTATAGAGTACTAGACGTCTTTGCCTAAATTATGTCTGTGTGGGGCTGCCACGCACA GCTATGGAGGGCAGCCTCATGCTCCCTTCTGTTGCTTTGTGGTCTAAATTGTAATAAAGTTTTCCAAGAA TAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_025638
Insert Size:	945 bp
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>BC016541</u> , <u>AAH16541</u>
RefSeq Size:	2326 bp
RefSeq ORF:	945 bp
Locus ID:	66569
UniProt ID:	<u>Q9CRY7</u>
Cytogenetics:	11 C
Gene Summary:	Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines (PubMed:25528375, PubMed:25596343). Shows a preference for 1-O-alkyl-sn-glycero-3-phosphocholine (lyso-PAF), lysophosphatidylethanolamine (lyso-PE) and lysophosphatidylcholine (lyso-PC) (PubMed:25528375, PubMed:25596343). May be involved in bioactive N-acylethanolamine biosynthesis (PubMed:25596343). Does not display glycerophosphodiester phosphodiesterase activity, since it cannot hydrolyze either glycerophosphoinositol or glycerophosphocholine (PubMed:25528375).[UniProtKB/Swiss-Prot Function]