

Product datasheet for **SC122374**

GDPD3 (BC002714) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GDPD3 (BC002714) Human Untagged Clone
Tag:	Tag Free
Symbol:	GDPD3
Synonyms:	FLJ22603; glycerophosphodiester phosphodiesterase domain containing 3; MGC4171
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC002714 edited

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CCCACACTGGCTAGGCAGGCAGCACAGTCCCGCGGACGGCTGAGCGTGTGGCTGCAGGAG
CTTCTGTGGGAGTACGGTCATGAGCCTTTTGTCTACTATGCCCTCCCTGCCCTGGGCAG
CTATGCCATGCTCTCCATCTTCTTCTGCGCCGGCCTCATCTGCTGCACACGCCAGGGC
TCCACCTTCCGCATCCGCTGGGGGCCACCGAGGAGGATCTGGAGAGCTGCTGGAGAA
CACCATGGAGGCCATGGAGAACTCCATGGCCAGCGCTCGGACCTCCTGGAGCTCGACTG
TCAGCTGACACGGGACAGAGTGGTGGTGTGTCATGATGAGAACCTGTGCCGCCAGTC
GGGCCTAAACAGGGATGTGGGCAGCCTGGACTTCGAGGACCTGCCCTCTACAAGGAGAA
GCTGGAGGTTTACTTCTCTCCAGGCCACTTTGCTCAGGGTCAGACCGGCGCATGGTTTCG
TCTGGAGGACCTGTTCCAGAGGTTTCCAAGGACACCCATGAGCGTAGAGATCAAAGGAA
GAACGAAGAGCTCATCCGTGAGATAGCAGGCTTGGTGGAGCGCTATGACCGTAATGAAAT
CACCATCTGGGCCTCGGAGAAGAGCTCGGTCATGAAGAAATGCAAGGCTGCCAACCCGA
GATGCCCTGTCTTCAACAATAAGCCGAGGATTCTGGGTGCTGCTTCTCTACTACCTGGG
GCTGCTGCCCTTCATCCCAATCCCTGAGAAGTTCTTCTCTGCTTCTGCCCCAACATCAT
CAACAGGACCTATTTCCCATTTTCTGCTCTTGCTGAACCAAGTATTGGCTGTGGTTTC
GAAATGGCTGATCATGAGGAAGAGTCTGATCCGACACTTGAGGAGCGAGGGGTGCAGGT
GGTCTTTTGGTGCCTTAATGAAGAGTCGATTTTGAAGCAGCCTTCAGCGTGGGAGCCAC
TGGCGTCATAACGGATTATCCCACAGCCTGCGGCACTACCTGGACAACCATGGACCAGC
TGCCCGGACCTCCTAAGTCCAGAAGCCTCGAGGTCTCTGTTTCTTCTTCTGAAAAATAA
ATATTTGCCTTCGATCAAAAAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC002714 unedited <pre> AACATGTCANCATTTGTATACGACTCACTATAGGCGGCACGCAATTCGCACGAGGCCCA CACTGGCTAGGCAGGCAGCACAGTCCCAGCGACGGCTGAGCGTGTGGCTGCAGGAGCTTC TGTGGGAGTACGGTCATGAGCCTTTTGTGTACTATGCCCTCCCTGCCCTGGGCAGCTAT GCCATGCTCTCCATCTTCTTCTGCGCCGGCCTCATCTGCTGCACACGCCAGGGCTCCC ACCTTCCGCATCCGCCTGGGGGCCACCGAGGAGGATCTGGAGAGCTGCTGGAGAACACC ATGGAGGCCATGGAGAACTCCATGGCCCAGCGCTCGGACCTCCTGGAGCTCGACTGTCAG CTGACACGGGACAGAGTGGTGGTGGTGTACATGATGAGAACCTGTGCCGCCAGTCGGGC CTAAACAGGGATGTGGGAGCCTGGACTTCGAGGACCTGCCCTCTACAAGGAGAAGCTG GAGGTTTACTTCTCTCCAGGCCACTTTGCTCACGGGTGACACGGCGCATGGTTCGTCTG GAGGACCTGTTCCAGAGTTTCCAAGGACACCCATGAGCGTAGAGATCAAAGGGAAGAAC GAAGAGCTCATCCGTGAGATAGCAGGCTTGGTGAGACGCTATGACCGTAATGAAATCACC ATCTGGGCCTCGGAGAAGAGCTCGGTGATGAAGAAATGCAAGGCTGCCAACCCGAGATG CCCCTGTCCTTACAATAAGCCGAGGATTCTGGGTGCTGCTTCTCTACTACCTGGGGCTG CTGCCCTCATCCATCCCTGAGAAGTTCTTCTCTGCTTCTGCTGCCAACATCATCAACA GGACCTATTTCCATTTCTGCTTGCCTGAACCAAGTATTGGCTGT </pre>
Restriction Sites:	Please inquire
ACCN:	BC002714
Insert Size:	1124 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.
RefSeq:	BC002714.2 , AAH02714.2
RefSeq Size:	1115 bp
RefSeq ORF:	780 bp
Locus ID:	79153
Cytogenetics:	16p11.2
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

Hydrolyzes lysoglycerophospholipids to produce lysophosphatidic acid (LPA) and the corresponding amines. 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). Does not display glycerophosphodiester phosphodiesterase activity, since it cannot hydrolyze either glycerophosphoinositol or glycerophosphocholine.[UniProtKB/Swiss-Prot Function]