

Product datasheet for **SC317483**

GDPD3 (NM_024307) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GDPD3 (NM_024307) Human Untagged Clone
Tag:	Tag Free
Symbol:	GDPD3
Synonyms:	GDE7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317483 representing NM_024307. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGAGCCTTTTGCTGACTATGCCCTCCCTGCCCTGGGCAGCTATGCCATGCTCTCCATCTTCTTCCTG
 CGCCGGCCTCATCTGCTGCACACGCCAGGGCTCCACCTTCGCATCCGCCTGGGGGCCACCGAGGA
 GGATCTGGAGAGCTGCTGGAGAACCATGGAGGCCATGGAGAACTCCATGGCCAGCGCTCGGACCTC
 CTGGAGCTCGACTGTCAGCTGACACGGGACAGAGTGGTGGTGGTGTACATGATGAGAACCTGTGCCGC
 CAGTCGGGCCTAAACAGGGATGTGGGCAGCCTGGACTTCGAGGACCTGCCCTCTACAAGGAGAAGCTG
 GAGGTTTACTTCTCTCCAGGCCACTTTGCTCACGGGTGACACGGCGCATGGTTCGTCTGGAGGACCTG
 TTCCAGAGGTTTCCAAGGACACCCATGAGCGTAGAGATCAAAGGGAAGAACGAAGAGCTCATCCGTGAG
 ATAGCAGGCTTGGTGAGACGCTATGACCGTAATGAAATACCATCTGGGCCTCGGAGAAGAGCTCGGTC
 ATGAAGAAATGCAAGGCTGCCAACCCCGAGATGCCCTGTCTTCAATAAGCCGAGGATTCTGGGTG
 CTGCTTTCCTACTACCTGGGGCTGCTGCCCTTCATCCCAATCCCTGAGAAGTTCTTCTTCTGCTTCTG
 CCCAACATCATCAACAGGACCTATTTCCATTTTCTGCTCTTGCTGAACCAAGTATTGGCTGTGGTT
 TCGAAATGGCTGATCATGAGGAAGAGTCTGATCCGACACTTGAGGAGCGAGGGGTGCAGGTGGTCTTT
 TGGTGCCTTAATGAAGAGTCGGATTTTGAAGCAGCCTTCAGCGTGGGAGCCACTGGCGTCATAACGGAT
 TATCCACAGCCCTGCGGCACTACCTGGACAACCATGGACCAGCTGCCCGACCTCC**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_024307
Insert Size:	957 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_024307.2
RefSeq Size:	1115 bp
RefSeq ORF:	957 bp
Locus ID:	79153
UniProt ID:	Q7L5L3
Cytogenetics:	16p11.2
Protein Families:	Druggable Genome, Transmembrane
MW:	36.6 kDa
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]