

Product datasheet for **SC326858**

GDPD1 (NM_001165993) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	GDPD1
Synonyms:	GDE4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326858 representing NM_001165993. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCGTCCACTGCGGCTTTTACCTTCTCTCTACGCTAGGAGGATACTTGGTGACCTCATTCTTGTGTG
CTTAAATACCCGACCTTGCTGCACCAGAGAAAGAAGCAGCGATTCTCAGTAAACACATCTCTCACC GC
GGAGGTGCTGGAGAAAATTTGGAGAATACAATGGCAGCCTTTCAGCATGCGGTTAAAATCGGAAC TGAT
ATGCTAGAATTGGACTGCCATATCACAAAAGATGAACAAGTTGTAGTGTACATGATGAGAATCTAAAG
AGAGCAACTGGGTCAATGTAACATCTCTGATCTCAATACTGTGAGCTCCCACCTTACCTTGGCAAA
CTGGATGTCTCATTTCAAAGAGCATGCCAGTGTGAAGGAAAAGATAACCGAATTCATTACTGAAGGAA
GTTTTTGAGGCCTTTCCTAACACTCCCTTAACATCGATATCAAAGTCAACAACAATGTGCTGATTAAG
AAGGTTTCAGAGTTGGTGAAGCGGTATAATCGAGAACCTTAACAGTGTGGGTAATGCCAATTATGAA
ATTGTAGAAAAGTGCTACAAAGAGAATTCAGATATTCCTATACTCTTCAGTCTACAACGTGCTCTGCTC
ATTCTTGGCCTTTTCTTCACTGGCCTCTTGCCCTTTGTGCCATTGAGAACAGTTTTTTGAAATCCCA
ATGCCTTCTATTATACTGAAGCTAAAAGAACACACACCATGTCCAGAAGTCAAAGTTTCTCATCTGG
CTTTCTGATCTCTTACTAATGAGGAAAGCTTTGTTGAACCACTGCACCCGCCAGTAAAAGAAATTTT
GAAGGCCATTGCAGCTATTTGGTAGTGTCTTGTATTTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001165993
Insert Size:	870 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).
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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001165993.1
RefSeq Size:	1796 bp
RefSeq ORF:	870 bp
Locus ID:	284161
UniProt ID:	Q8N9F7
Cytogenetics:	17q22
Protein Families:	Transmembrane
MW:	33.2 kDa

Gene Summary:

This gene encodes a member of the glycerophosphodiester phosphodiesterase family of enzymes that catalyze the hydrolysis of deacylated glycerophospholipids to glycerol phosphate and alcohol. The encoded protein is localized to the cytoplasm and concentrates near the perinuclear region. Alternative splicing results in multiple transcript variants.

[provided by RefSeq, Oct 2009]

Transcript Variant: This variant (3) differs in the 3' UTR and 3' coding region, compared to variant 1. The resulting isoform (3) has a distinct C-terminus and is shorter than isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.