

Product datasheet for **SC126346**

GDPD2 (NM_017711) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GDPD2 (NM_017711) Human Untagged Clone
Tag:	Tag Free
Symbol:	GDPD2
Synonyms:	GDE3; OBDPF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_017711 edited
GGGAAGCAGTGCAGAGAGGAGAGCGGAGCGGAGCTGCCGCTGAGCAAAGGCCTTCACCAT
GGCCGAGTCCCCCGGCTGCTGCTCCGTCTGGGCCCGCTGCCTCCACTGCCTGTATAGCTG
CCACTGGAGGAAATGCCCCAGAGAGAGGATGCAAACCAGCAAGTGCGACTGTATCTGGTT
TGGCCTGCTCTTCTCACCTTCTCCTTTCCCTGAGCTGGCTGTACATCGGGCTCGTCT
TCTCAATGACCTGCACAACCTTCAATGAATCCTCTTCCGCCGCTGGGACACTGGATGGA
CTGGTCCCTGGCATTCTGCTGGTCATCTCTACTGGTCACATATGCATCCTTGTCTATT
GGTCTGGCCCTGCTCCTGCGGCTTTGTAGACAGCCCCTGCATCTGCACAGCCTCCACAA
GGTGTGCTGCTCCTCATTATGCTGCTTGTGGCGCTGGCCTTGTGGACTGGACATCCA
ATGGCAGCAGGAGTGGCATAAGCTTGCCTGTGCTACTGCAGGCCACAGCCCATTCTTCA
TATTGGAGCAGCCGCTGGAATTGCCCTCCTGGCCTGGCCTGTGGCTGATACCTTCTACCG
TATCCACCGAAGAGGTCCCAAGATTCTGCTACTGCTCCTATTTTTGGAGTTGCTCCTGGT
CATCTACTTGGCCCCCTATGCATCTCCTCACCTGCATCATGGAACCCAGAGACTTACC
ACCCAAGCCTGGGCTGGTGGGACACCGAGGGGCCCCCATGCTGGCTCCCGAGAACCCTT
GATGTCCTTGGGAAGACAGCTGAATGCGGAGCTACTGTGTTGAGACTGATGTGATGGT
CAGCTCCGATGGGGTCCCCTTCCCTCATGCATGATGAGCACCTCAGCAGGACCACGAATGT
AGCCTCTGTATTTCCCAACCCGAATCACAGCCCACAGCAGTGACTTCTCCTGGACTGAACT
GAAGAGACTCAATGCTGGATCCTGGTTCCTAGAGAGGGCACCCTTCTGGGGGGCCAAACC
GCTGGCAGGCCCTGATCAGAAAGAGGCTGAGAGTCAGACGGTACCAGCATTAGAAGAGCT
ATTGGAGGAAGCTGCAGCCCTCAACCTTCCATCATGTTGACTTGCGCCGACCCCCACA
GAACCACACATACTATGACACTTTTGTGATCCAGACATTGGAGACTGTGCTGAATGCAAG
GGTGCCCCAAGCCATGGTCTTTTGGCTACCAGATGAAGATCGGGCTAATGTCCAACGACG
GGCACCTGGAATGCCCCAGATATATGGACGTGAGGGAGGCAACAGAACGGAGAGGCCCA
GTTTCTTAACCTCCCCTATCAAGATCTGCCACTATTGGATATCAAGGCATTGCATAAGGA
TAATGTCTCGGTGAACCTATTTGTAGTGAACAAGCCCTGGCTCTTCTCTGCTTTGGTG
TGCAGGGGTGGATTCCGTACCACCAACGACTGCCAGCTGCTGCAGCAGATGCGTTACCC
TATCTGGCTTATTACCCCTCAAACCTACCTAATCATATGGGTCAATACCAATTGTGTTTC
CACCATGCTGCTTTTGGGACCTTCTCCTCAAAGGAGATTTGTTAAGAAGAGAGGGAA
AACTGGCTTAGAAACAGCAGTGCTGCTGACAAGGATCAACAATTTTATGATGGAGTGAAT
GCCCTGCCCTGCTTCCCCACCAAGCCAGTCTACATTGCCAAACAGCAAGGGTTGGAGA
GTGGCTTAAGTGAATGCTTTCAGGGGTGGTGGGTGCAAGTGGGGGAGCTTTGCCAACA
GGAGGTTTTGAACCATGAGGGCCCTCTGCCAGGTGATGGGCATTCCCTAAGCTGCTATG
GAATCTGCTCCCTTTGGGGTTTTGACCTGAGATGTTTGGGAAGAGAGTGAGTAATGAGAA
GTTTCTCTCAAATGAACTAGAACAGAGGAAGTAAAAGGGAGATTGCTCGGAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017711 unedited GTTTCAGTATATTTGTCAATACGCACCCACTGATAGGGCGGACCGCGTAATTCAGTTGCTG GCTACCGGCTCCGGTAATTCCTGGGATGGGAAGCAGTGCAGAGAGGAGAGCGGAGCGGAG CTGCCGCTGAGCAAAGGCCTTACCATGGCCGAGTCCCCCGGCTGCTGCTCCGTCTGGGC CCGCTGCCTCCACTGCCTGTATAGCTGCCACTGGAGGAAATGCCCCAGAGAGAGGATGCA AACCAGCAAGTGC GACTGTATCTGGTTTGGCCTGCTCTTCCTCACCTTCCTCCTTTCCCT GAGCTGGCTGTACATCGGGCTCGTCTTCTCAATGACCTGCACAACCTCAATGAATTCCT CTTCCCGCTGGGGACACTGGATGGACTGGTCCCTGGCATTCTGCTGGTCATCTCTCT ACTGGTCACATATGCATCCTTGCTATTGGTCTGGCCCTGCTCCTGCGGCTTTGTAGACA GCCCTGCATCTGCACAGCCTCCACAAGGTGCTGCTGCTCCTATTATGCTGCTTGTGGC GGCTGGCCTTGTGGGACTGGACATCCAATGGCAGCAGGAGTGGCATAGCTTGCCTGTGTC ACTGCAGGCCACAGCCCATTCCTTCATATTGGAGCAGCCGCTGGAATTGCCCTCCTGGC CTGGCCTGTGGCTGATACCTTCTACCGTATCCACCGAAGAGGTCCCAAGATTCTGCTACT GCTCCTATTTTTTGGAGTTGCTGCTGCTACTTGGCCCCCTATGCATCCTCTCACC CTGCATCATGGAACCCAGAGACTTACCACCAACCTGGGCTGGTGGGACACCGAGGGGC CCCCATGCTGGCTCCCGAAACACCTGATGTCCTTGGCGAAAAAACCTGAATGCGGAACT ACTGGTTGAGAAGTGAAGTATGGTCAGCTCCCAGGGGGCCCC
Restriction Sites:	Please inquire
ACCN:	NM_017711
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:	<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.
RefSeq:	NM_017711.2 , NP_060181.2
RefSeq Size:	2199 bp
RefSeq ORF:	1620 bp
Locus ID:	54857
UniProt ID:	Q9HCC8
Cytogenetics:	Xq13.1
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a member of the glycerophosphodiester phosphodiesterase enzyme family. The encoded protein hydrolyzes glycerophosphoinositol to produce inositol 1-phosphate and glycerol. This protein may have a role in osteoblast differentiation and growth. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2010]

Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, which results in a frameshift, compared to variant 1. The resulting protein (isoform 2) is shorter than isoform 1.