

## Product datasheet for **SC328760**

### GDPD2 (NM\_001171191) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GDPD2 (NM_001171191) 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)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001171191, the custom clone sequence may differ by one or more nucleotides

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ATGGACTGGTCCCTGGCATTCTGCTGGTCATCTCTACTGGTCACATATGCATCCTTG
CTATTGGTCTGGCCCTGCTCCTGCGGCTTTGTAGACAGCCCCTGCATCTGCACAGCCTC
CACAAGGTGCTGCTGCTCCTCATTATGCTGCTTGTGGCGCTGGCCTTGTGGACTGGAC
ATCCAATGGCAGCAGGAGTGGCATAGCTTGCCTGTGCTACTGCAGGCCACAGCCCATTTC
CTTCATATTGGAGCAGCCGCTGGAATTGCCCTCCTGGCCTGGCCTGTGGCTGATACCTTC
TACCGTATCCACCGAAGAGGTCCCAAGATTCTGCTACTGCTCCTATTTTTGGAGTTGTC
CTGGTCATCTACTGGCCCCCTATGCATCTCCTCACCTGCATCATGGAACCCAGAGAC
TTACCACCCAAGCCTGGGCTGGTGGGACACCGAGGGGCCCCCATGCTGGCTCCCGAGAAC
ACCCTGATGTCTTGGGAAGACAGCTGAATGCGGAGCTACTGTGTTTGAGACTGATGTG
ATGGTCAGCTCCGATGGGGTCCCCTTCCTCATGCATGATGAGCACCTCAGCAGGACCACG
AATGTAGCCTCTGTATTCCCAACCCGAATCACAGCCCACAGCAGTGACTTCTCCTGGACT
GAACTGAAGAGACTCAATGCTGGATCCTGGTTCCTAGAGAGGCGACCCCTTCTGGGGGGCC
AAACCGCTGGCAGGCCCTGATCAGAAAGAGGCTGAGAGTCAGACGGTACCAGCATTAGAA
GAGCTATTGGAGGAAGCTGCAGCCCTCAACCTTCCATCATGTTGCGACTTGCGCCGACCC
CCACAGAACCACATACTATGACACTTTTGTGATCCAGACATTGGAGACTGTGCTGAAT
GCAAGGGTGCCCCAAGCCATGGTCTTTTGGCTACCAGATGAAGATCGGGCTAATGTCCAA
CGACGGGCACCTGGAATGCGCCAGATATATGGACGTCAGGGAGGCAACAGAACGGAGAGG
CCCCAGTTTCTTAACCTCCCCTATCAAGATCTGCCACTATTGGATATCAAGGCATTGCAT
AAGGATAATGTCTCGGTGAACCTATTTGTAGTGAACAAGCCCTGGCTCTTCTCTCTGCTT
TGGTGTGCAGGGGTGGATTTCGGTCACCACCAACGACTGCCAGCTGCTGCAGCAGATGCGT
TACCCTATCTGGCTTATTACCCCTCAAACCTACCTAATCATATGGGTATTACCAATTGT
GTTTCCACCATGCTGCTTTTGTGGACCTTCCTCCTCAAAGAAGATTTGTTAAGAAGAGA
GGGAAAACCTGGCTTAGAAACAGCAGTGCTGCTGACAAGGATCAACAATTCATGATGGAG
TGA
  
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001171191
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001171191.1</a></u> , <u><a href="#">NP_001164662.1</a></u>
<b>RefSeq Size:</b>	2072 bp
<b>RefSeq ORF:</b>	1383 bp
<b>Locus ID:</b>	54857
<b>UniProt ID:</b>	<u><a href="#">Q9HCC8</a></u>
<b>Cytogenetics:</b>	Xq13.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and has multiple coding region differences, compared to variant 1. These differences cause translation initiation at a downstream AUG. Variants 3 and 4 encode the same isoform (3), which is shorter than isoform 1.</p>