

## Product datasheet for **RG230121**

### **GDPD2 (NM\_001171193) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GDPD2 (NM_001171193) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GDPD2
Synonyms:	GDE3; OBDPF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG230121 representing NM\_001171193  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTGGTCCCTGGCATTCTGCTGGTCATCTCTACTGGTCACATATGCATCCTTGCTATTGGTCC  
 TGGCCCTGCTCCTGCGGCTTTGTAGACAGCCCTGCATCTGCACAGCCTCCACAAGGTGCTGCTGCTCCT  
 CATTATGCTGCTTGTGGCGGCTGGCCTTGTGGGACTGGACATCCAATGGCAGCAGGAGTGGCATAGCTTG  
 CGTGTGCACTGCAGGCCACAGCCCATTCCTTCATATTGGAGCAGCCGCTGGAATTGCCCTCCTGGCCT  
 GGCCTGTGGTGATACCTTCTACCGTATCCACCGAAGAGGTCCCAAGATTCTGCTACTGCTCCTATTTTT  
 TGGAGTTGCTGGTCACTACTTGGCCCCCTATGCATCTCCTCACCCTGCATCATGGAACCCAGAGAC  
 TTACCACCAAGCCTGGGCTGGTGGGACACCGAGGGGCCCCATGCTGGTCCCGAGAACACCCTGATGT  
 CCTTGGGAAGACAGCTGAATGCGGAGCTACTGTGTTGAGACTGATGTGATGGTCAGCTCCGATGGGT  
 CCCCTTCCTCATGCATGATGAGCACCTCAGCAGGACCACGAATGTAGCCTCTGTATCCCAACCCGAATC  
 ACAGCCACAGCAGTGAATTCTCCTGGACTGAACTGAAGAGACTCAATGCTGGATCCTGGTTCCTAGAGA  
 GCGCACCTTCTGGGGGCCAAACCGCTGGCAGGCCCTGATCAGAAAGAGGCTGAGAGTCAGACGGTACC  
 AGCATTAGAAGAGCTATTGGAGGAAGCTGCAGCCCTCAACCTTCCATCATGTTGCGACTTGCGCCGACCC  
 CCACAGAACACACATACTATGACACTTTTGTGATCCAGACATTGGAGACTGTGCTGAATGCAAGGGTGC  
 CCCAAGCCATGGTCTTTTGGCTACCAGATGAAGATCGGGCTAATGTCCAACGACGGGCACCTGGAATGCG  
 CCAGATATATGGACGTCAGGGAGGCAACAGAACGGAGAGGCCAGTTTCTTAACCTCCCCTATCAAGAT  
 CTGCCACTATTGGATATCAAGGCATTGCATAAGGATAATGTCTCGGTGAACCTATTTGTAGTGAACAAGC  
 CCTGGCTCTTCTCTGCTTTGGTGTGCAGGGTGGATTCCGGTCACCACCAACGACTGCCAGCTGCTGCA  
 GCAGATGCGTTACCCTATCTGGCTTATTACCCCTCAAACCTACCTAATCATATGGGTATTACCAATTGT  
 GTTCCACCATGCTGCTTTTGTGGACCTTCTCCTCCTCAAAGAAGATTTGTTAAGAAGAGAGGGAAAACCTG  
 GCTTAGAAACAGCAGTGTGCTGACAAGGATCAACAATTCATGATGGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG230121 representing NM\_001171193  
 Red=Cloning site Green=Tags(s)

MDWSLAFLLVISLLVTYASLLLVLALLLRLCRQPLHLHSLHKVLLLLIMLLVAAGLVGLDIQWQQEWHS  
 RVSLQATAPFLHIGAAAGIALLAWPVADTFYRIHRRGPKILLLLLFFGVVLYIYLAPLCISSPCIMEPRD  
 LPPKPGLVGHGAPMLAPENTLMSLRKTAECGATVFETDVMVSSDGVVFLMHDEHL SRTTNVASVFPTRI  
 TAHSSDFSWTELKRLNAGSWFLERRPFWGAKPLAGPDQKEAESQTVPALEELLEEEAALNLSIMFDLRRP  
 PQNHYYDTFVIQTLETVLNARVPQAMVFWLPDEDNANVQRRAPGMRQIYGRQGGNRTERPQFLNLPYQD  
 LPLLDIKALHKDNVSVNLFVVKPWLFSLLWCAGVDSVTNDCQLLQQMRYPYIWLITPQTYLIIWVITNC  
 VSTMLLLWTFLLQRRFVKKRGTGLETAVLLTRINNFMM

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<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_001171193.1</a></u> , <u><a href="#">NP_001164664.1</a></u>
<b>RefSeq Size:</b>	2176 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>	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]