

## Product datasheet for **RC211829**

### **GDPD4 (NM\_182833) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GDPD4 (NM_182833) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GDPD4
Synonyms:	GDE6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC211829 representing NM\_182833  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGCTGTTCTCTGGATAGAAACATCCAGTGAATACTTTAACTTTGACTGGGTCACCTTTCTAGGAA  
 CAGGATACTGGTTTTCTGGTCTATTTTTATTCTGAGTTTAGCTAGGATCCTGACTGCCTACTCTTCATT  
 GCTGTTGTTACTTGGATTTTTGTTGCTTTGGAAAGGATTGAACTATACCTGCACCTGTGTCATAAGATC  
 CTGATTCTGCTAGTGATTCTTCTGTGTGCATTTTAATGTTTATTATATGCAAACTCTGGAAAGAAAGGT  
 GGCTGGTAGCTGGGCTGTCAATGCAGATCTTTGCTCCCTACGTGCACCTGGTCAGCATAACTGTGATGGT  
 TATCCTTTTCTGGCCTGTGGCCTTCTACGTGGCATGTTTGGAAAGAGAAGTTAGAATGAGAAGATACAGG  
 ATGACACATTCTGAGAAAAAAGACTCAAGCAATGTAATGTAATCACAAGTTAAGAGGTCTACAAGTGC  
 CTGTTGGATTACCCTTTCTTATCCTTTTAGGTCTCTATTTGATGCCACTGGGATTTATTCTCCCTG  
 CATTCAAGGAGAAGGAAATTTGGGGCCCAAGCCAACCATCTTTGGACATAGAGGTGCACCCATGTTGGGG  
 CCTGAGAATACCATGATGTCCTTTGAGAAAGCTGTTGAACATGGAGCCCATGGATTGGAGACTGATATAC  
 ACTTAAGTTATGATCATGTGCCTTTCTCATGCATGACTTTGACCTGAAAAGAACAACCAATATTGGGGA  
 AGTTACAGCCAGAATCTGCCTGCGAGAACCCTGCCTTCTCAACTGGGATTTCTATCGACTCTGAATGCA  
 GGCAAAATGGTTTGTAAAACAGAGCTCAGGCCATTTTACAATAAGAACTCTATCAGAGGCAGATAAAG  
 AAAGAGCAAGAAATCAGTCAATTCACACTAGCTGATTTATTGACACTGCAGAGAAGGAAAGAAAATT  
 TGTGATATTTGATCTTCATCGCCCTCCACAAAACATCCTCTCAGACACACATTTGTCGCCCAAGTAGTA  
 AGCGTGATCCTTGCTCTAAAATCGAGCAACATCTGATTTTTGGTTGCCAGCTCATGATAGGCAATACG  
 TCAGGTCGGTGGCTCCTGGTTTTCAGCATGTGGCCGTTTAGTATCCATTGAAACCCTTGCTAAAAACAA  
 TATCAGTATAATAAATGTTGACTACAAGAAGTTGTTCCCTAATGGGTTAAGAGATTATAAAGCAGCTAAC  
 ATCCATATCAACGTATACACCGTCAATGAGCCTTGGCTTTTCTCACTGGCCTGGTCTCCAGGATTAAC  
 CAGTGACCACAGACAACATTGGGCTCCTGAGTCAGCTTGATCACCCCTCACTTCTTCATGACACCAAAGTT  
 CTATGTGTTTATGTGGCTCCTTGAGATATCATTCTGTGCTTTTTATTGTTGCCATATTTGTTTTTAC  
 TGGCGGAGAGACTGAAAAGAAAAATTGTTTGAACCTCCAGCACTCGCACAGATACTCAGAGTGGAA  
 GTAAGAATGAGGAAGATAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC211829 representing NM\_182833  
 Red=Cloning site Green=Tags(s)

MLLFLWIETSSEYFNFDWVTFGLGTGYWFFWSIFILSLARILTAYSLLLLLGFLLLWERIELYLHLCHKI  
 LILLVILLCVILMFIICKFWKERWLVAGLSMQIFAPYVHLVSITVMVILFWPVAFYVACLEREVRMRRYR  
 MTHSEKKRLKQCNVITRLRGLQVPVGLPFLLILLGLYLMPLGIYSPCIQEKENLGPKPTIFGHRGAPMLG  
 PENTMMSFEKAVEHGAHGLETDIHLSDHVPFLMHDFDLKRTTNIGEVQPEACENPAFFNDFLSTLNA  
 GKWFVKPELRPFYNMPLSEADKERARNQSIPTLADLLTLAEKERKFVIFDLHRPPPKHPLRHTFVRQVV  
 SVILASKIEQHLIFWLPADRQYVRSVAPGFQHVGRVLSIETLAKNNISIIINVYKLLFPNGLRDYKAAN  
 IHINVYTVNEPWLFLAWCSRINSVTTDNIIGLLSQLDHPHFMTPKFYVFMWLLADIISVLFIVAIFCFH  
 WRRETEKEKLFETSSTRDTQSGSKNEEDR

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8013\\_f06.zip](https://cdn.origene.com/chromatograms/mk8013_f06.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_182833

**ORF Size:** 1560 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_182833.3](#)

**RefSeq Size:** 2545 bp

**RefSeq ORF:** 1563 bp

**Locus ID:** 220032

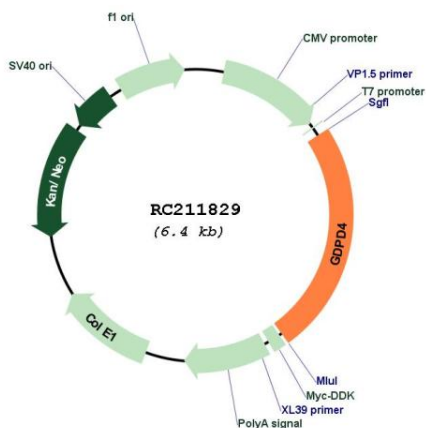
**UniProt ID:** [Q6W3E5](#)

**Cytogenetics:** 11q13.5

Protein Families: Transmembrane

MW: 60.6 kDa

**Product images:**



Circular map for RC211829