

## Product datasheet for **MR230200**

### **Gpcpd1 (NM\_027096) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gpcpd1 (NM_027096) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpcpd1
Synonyms:	2310004G06Rik; 2310032D16Rik; AU015213; Gde5; mKIAA1434; Prei4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR230200 representing NM\_027096  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATG**TCCAACAGCCTGGAGATATCCTTAATAAGTGACAATGAGTTC**CAAGTGCAGGCACTCACAGCCAGAAT  
 GTGGGTATGGCTTACAGCCCGATCGTTGGACAGAGTACAGCATACAGACAATGGAACCAGATAATCTGGA  
 GCTCATCTTTGACTTTTTT**GAGGAAGATCTCAGTGAGCATGTAGTTCAGGGTGATGTTCTTCCTGGACAC**  
 GTGGGCACAGCATGCCTCCTGTCTTCTACCATTGCTGAGAGTGGAAAGAAGCGCTGGAATCCTTACTCTTC  
 CCATCATGAGCAGAAATCCAGAAAACTATAGGCAAAGT**CAGAGTTGATTTTATCATCATCAAGCCATT**  
 ACCTGGATATAGTTGTTCTATGCAGTCTTCATTTTCCAAGTATTGGAAACCAAGAATACCATTGGACGTT  
 GGACATCGTGGTGCAGGGA**ACTCAACAACGACTGCCAAGCTAGCTAAAGTACAGGAAAATACTATCGCTT**  
 CTTTAAGAAATGCTGCCAGT**CATGGCGCAGCATTGTAGAAATTTGATGTCCACCTTCAAAGGACTTTGT**  
 GCCCGTGGTGTATCATGACCTCACCTGCTGTCTGACCATGAAGAGGAAAATGAAGCTGATCCAGTTGAA  
 TTGTTTGAATCCAGTAAAAGAATTAACATTTGACCAACTCCAGTTATTGAAGCTTCTCATGTGACTG  
 CATAAAAAACCAAGACCGGAAACAATCTTTGTATGAGGAGGAAAATTTCTTTTCTGAAAATCAGCCATT  
 TCCTTCTCTTAAGATGGTTTTAGAAATCATTGCCAGAAAATGATAGGATTTAATATAGAAAATAAAATGGATT  
 TGCCAACACAGGGATGGAGTATGGGATGGCAACTATCAACATATTTTGTATGAATGTGTTTTTGGATA  
 TAATTTTAAAACTGTTTTAGAAAATCTGGGAAGAGGAGAATAGTGTTTTCTTCTTTTGTATGCAGATAT  
 TTGTACAATGGTTCGGCAGAAGCAGAACAAATATCCCATATTATTTT**GACCCAAGGAAAGTCTGATATT**  
 TACCCGA**ACTCATGGACCTCAGATCTCGGACAACACCCATTGCAATGAGTTTTGCACAGTTTAAAATA**  
 TTTTGGGATAAATGCCATACTGAAGACCTCCTTAGAAAACCCATCCTATGTCCAAGAGGCAAAAGCTAA  
 GGGATTGGT**CATATTCTGCTGGGGTGATACCAACGATCCTGAAAACAGAAGGAAACTGAAGGAATTT**  
 GGAGTAAATGGTCTAATATATGATAGGATATATGATTGGATGCCTGAACAGCCAAATATATTCCAAGTGG  
 AGCAGTTGGAGCGCTGAAGCAAGAATTGCCAGAGCTTAAGA**ACTGTTTGTGCCACTGTTAGCCACTT**  
 CATCCCTTCTTCTTTCTGTGTGGAGCCTGATATCCACGTGGATGCCAACGGCATTGATAGTGTGGAGAAC  
 GCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230200 representing NM\_027096  
 Red=Cloning site Green=Tags(s)

MSNSLEISLISDNEFKCRHSQPECGYGLQPDRWTEYSIQTMEDNLELIFDFFEEEDLSEHVVGQDVLPGH  
 VGTACLLSSTIAESGRSAGILTLPIMSRNSRKTIGKVRVDFIIKPLPGYSCSMQSSFSKYWKPRIPLDV  
 GHRGAGNSTTTAKLAKVQENTIASLRNAASHGAAFVEFDVHLSKDFVPVYVYHDLTCCLTMKRKYEADPVE  
 LFEIPVKELTFDQLQLLKLSHVTALKTKDRKQSLYEEENFFSENQFPFSLKMWLESLPENVGFNIEIKWI  
 CQHRDGVWDGNLSTYFDMNVFLDIILKTVLENSGKRRIVFSSFADICTMVRQKQNKYPILFLTQGKSDI  
 YPELMDLRSRTPIAMSFQFENILGINAHTEDLLRNPSYVQEAkakGLVIFCWGDDTNDPENRRKLEF  
 GVNGLIYDRIYDWMPQPNIFQVEQLERLQELPELKNCLCPTVSHFIPSSFCVPEPIHVDANGIDSVEN  
 A

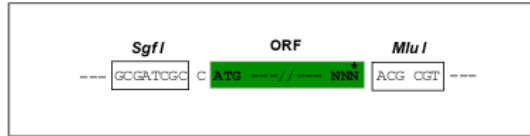
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

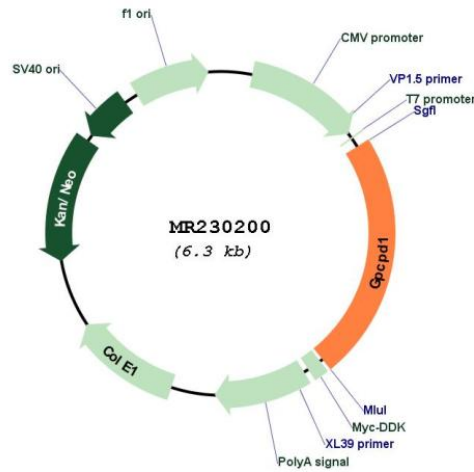
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_027096

ORF Size: 1473 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\\_027096.2](#), [NP\\_081372.1](#)

**RefSeq Size:** 3516 bp

**RefSeq ORF:** 1476 bp

**Locus ID:** 74182

**UniProt ID:** [Q8C0L9](#)

**Cytogenetics:** 2

**MW:** 56.4 kDa

**Gene Summary:** May be involved in the negative regulation of skeletal muscle differentiation, independently of its glycerophosphocholine phosphodiesterase activity.[UniProtKB/Swiss-Prot Function]