

Product datasheet for **MC227989**

Gpcpd1 (NM_027096) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpcpd1 (NM_027096) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC227989 representing NM_027096
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATG**TCCAACAGCCTGGAGATATCCTTAATAAGTGACAATGAGTTCAAGTGCAGGCACTCACAGCCAGAAT**
GTGGGTATGGCTTACAGCCCGATCGTTGGACAGAGTACAGCATACAGACAATGGAACCAGATAATCTGGA
GCTCATCTTTGACTTTTTTGGAGGAAGATCTCAGTGAGCATGTAGTTCAGGGTGATGTTCTTCTGGACAC
GTGGGCACAGCATGCCTCTGTCTTCTACCATTGCTGAGAGTGGAAAGAAGCGCTGGAATCCTTACTCTTC
CCATCATGAGCAGAAATCCAGAAAAATAGGCAAAGTACAGAGTTGATTTTATCATCATCAAGCCATT
ACCTGGATATAGTTGTTCTATGCAGTCTTCATTTTCCAAGTATTGGAAACCAAGAATACCATTGGACGTT
GGACATCGTGGTGCAGGGAACCAACAACGACTGCCAAGCTAGCTAAAGTACAGGAAAATACTATCGCTT
CTTTAAGAAATGCTGCCAGTCATGGCGCAGCATTGTAGAAATTTGATGTCCACCTTCAAAGGACTTTGT
GCCCGTGGTGTATCATGACCTCACCTGCTGTGACCATGAAGAGGAAAATGAAGCTGATCCAGTTGAA
TTGTTTGAATCCAGTAAAAGAATTAACATTTGACCAACTCCAGTTATTGAAGCTTCTCATGTGACTG
CATTA AAAACCAAGACCGGAAACAATCTTTGTATGAGGAGGAAAATTTCTTTCTGAAAATCAGCCATT
TCCTTCTCTTAAGATGGTTTTAGAAATCATTGCCAGAAAATGATAGGATTTAATATAGAAAATAAAATGGATT
TGCCAACACAGGGATGGAGTATGGGATGGCAACTATCAACATATTTTGATATGAATGTGTTTTGGATA
TAATTTTAAAACTGTTTTAGAAAATCTGGGAAGAGGAGAATAGTGTCTTCTTTTGTATGCAGATAT
TTGTACAATGGTTCGGCAGAAGCAGAACAAATATCCCATATTTTGGACCAAGGAAAGTCTGATATT
TACCCGAACCTCATGGACCTCAGATCTCGGACAACACCCATTGCAATGAGTTTTGCACAGTTTAAAAATA
TTTTGGGATAAATGCCATACTGAAGACCTCCTTAGAAAACCCATCCTATGTCCAAGAGGCAAAAAGCTAA
GGGATTTGGTCATATTCTGCTGGGGTATGATACCAACGATCCTGAAAACAGAAGGAACTGAAGGAATTT
GGAGTAAATGGTCTAATATATGATAGGATATATGATTGGATGCCTGAACAGCCAAATATATTCCAAGTGG
AGCAGTTGGAGCGCTGAAGCAAGAATTGCCAGAGCTTAAGAAGTGTGTGCCACTGTAGCCACTT
CATCCCTTCTTTCTGTGTGGAGCCTGATATCCACGTGGATGCCAACGGCATTGATAGTGTGGAGAAC
GCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_027096
- Insert Size:** 1476 bp
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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

Gene Summary: May be involved in the negative regulation of skeletal muscle differentiation, independently of its glycerophosphocholine phosphodiesterase activity.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) differs in the 5' UTR and coding sequence and lacks an in-frame exon compared to variant 8. The resulting isoform (1) is shorter at the N-terminus and lacks an alternate internal segment compared to isoform 4. Variants 1, 5, 6, 7, and 12 all encode the same isoform (1).