

## Product datasheet for **MC220357**

### **Gpcpd1 (NM\_001042671) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gpcpd1 (NM_001042671) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpcpd1
Synonyms:	2310004G06Rik; 2310032D16Rik; AU015213; Gde5; mKIAA1434; Prei4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220357 representing NM\_001042671  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACACCTTCTCAGGTCACTTTTGAATAAGAGGAACCTTTTACCAGGAGAGGCTTTTGCATATGTG  
 GAAGCTGTGATGCCCTGGGAAACTGGAATCCTCAAATGCTGTGGCTCTTATTAATGAAAACGAGACAGG  
 AGACAGTGTGTTGTGAAAGCAGTGATTGCTCTCAATAGAGGAGTGTGAGTGAAGTACCGTACTTCAGA  
 GGCTGCTTTTGAACCAAAGACTATCGGTGGTCCATGTCAAGTCATAGTTCACAAGTGGGAGACTCATC  
 TACAACCACGATCAATAACCCCTTTAGAAAGTGAATCATTATTGACGATGGACAGTTTGGCATCCACAA  
 TGGTGTGAAACACTGGATTCTGGATGGCTTACATGTCAGACTGAAATAAGATTGCGTCTGCATTTTTCT  
 GAGAAACCTCCTGTTCAATTAGCAAGAAAAAGTTCAAAAAATCGAGATTTAGGGTAAAGCTCACACTCG  
 AGGGTCTGGAGGAAGATGAAGATGATGACGATAAGGTCTCTCCACTGTTCTTCAAAAATGTCCAA  
 CAGCCTGGAGATATCCTTAATAAGTGACAATGAGTTCAAGTGCAGGCACTCACAGCCAGAATGTGGGTAT  
 GGCTTACAGCCCGATCGTTGGACAGAGTACAGCATACAGACAATGGAACCCAGATAATCTGGAGCTCATCT  
 TTGACTTTTTTGGGAAGATCTCAGTGAGCATGTAGTTCAGGGTGTGTTCTTCTGACACGTGGGCAC  
 AGCATGCCTCCTGTCTTACCATTGCTGAGAGTGAAGAAGCGCTGGAATCCTTACTCTTCCCATCATG  
 AGCAGAAATCCAGAAAACTATAGGCAAAGTCAGAGTTGATTTTATCATCATCAAGCCATTACCTGGAT  
 ATAGTTGTTCTATGCAGTCTTCATTTTCCAAGTATTGGAAACCAAGAATACCATTGGACGTTGGACATCG  
 TGGTGCAGGAACTCAACAACGACTGCCAAGCTAGCTAAAGTACAGGAAAATACTATCGCTTCTTTAAGA  
 AATGCTGCCAGTATGGCGCAGCATTGTAGAATTTGATGTCCACCTTTCAAAGGACTTTGTGCCGTGG  
 TGTATCATGACCTCACCTGCTGTCTGACCATGAAGAGGAAATGAAGCTGATCCAGTTGAATGTTTTGA  
 AATCCCAGTAAAAGAATTAACATTTGACCAACTCCAGTTATTGAAGCTTTCTCATGTGACTGCATTA  
 ACCAAAGACCGGAAACAATCTTTGTATGAGGAGGAAAATTTCTTTTCTGAAAATCAGCCATTTCTTCTC  
 TTAAGATGGTTTTAGAATCATTGCCAGAAAATGTAGGATTTAATATAGAAATAAAATGGATTTGCCAACA  
 CAGGGATGGAGTATGGGATGGCAACTTATCAACATATTTTGTATGAATGTGTTTTGGATAAATTTTA  
 AAACTGTTTTAGAAAATCTGGGAAGAGGAGAATAGTGTCTTCTTTTGTGAGCAGATATTTGTACAA  
 TGGTTCGGCAGAAGCAGAACAAATATCCATATTTATTTTGAACCAAGGAAAGTCTGATATTTACCCGA  
 ACTCATGGACCTCAGATCTCGACAACACCCATTGCAATGAGTTTGCACAGTTTAAAAATTTTGGGG  
 ATAAATGCCCATACTGAAGACCTCCTTAGAAACCCATCCTATGTCCAAGAGGCAAAAGCTAAGGGATTGG  
 TCATATTCGCTGGGGTATGATACCAACGATCCTGAAAACAGAAGGAAACTGAAGGAATTTGGAGTAAA  
 TGGTCTAATATATGATAGGATATATGATTGGATGCCTGAACAGCCAAATATATTCCAAGTGGAGCAGTTG  
 GAGCGCTGAAGCAAGAATTGCCAGAGCTTAAGAACTGTTTGTGTCCACTGTTAGCCACTTCATCCCTT  
 CTCTTTCTGTGTGGAGCCTGATATCCACGTGGATGCCAACGGCATTGATAGTGTGGAGAACGCT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001042671
- Insert Size:** 2028 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).
- 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\\_001042671.1](#), [NP\\_001036136.1](#)

**RefSeq Size:** 3703 bp

**RefSeq ORF:** 2028 bp

**Locus ID:** 74182

**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]