

Product datasheet for **MC227988**

Gpcpd1 (NM_001291052) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpcpd1 (NM_001291052) 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: >MC227988 representing NM_001291052
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATG**TCCAACAGCCTGGAGATATCCTTAATAAGTGACAATGAGTTCAAGTGCAGGCACTCACAGCCAGAAT**
 GTGGGTATGGCTTACAGCCCGATCGTTGGACAGAGTACAGCATACAGACAATGGAACCAGATAATCTGGA
 GCTCATCTTTGACTTTTTT**GAGGAAGATCTCAGTGAGCATGTAGTTCAGGGTGATGTTCTTCTCTGGACAC**
 GTGGGCACAGCATGCCTCTGTCTTCTACCATTGCTGAGAGTGGAAAGAAGCGCTGGAATCCTTACTCTTC
 CCATCATGAGCAGAAATCCAGAAAACTATAGGCAAAGT**CAGAGTTGATTTTATCATCATCAAGCCATT**
 ACCTGGATATAGTTGTTCTATGCAGTCTTCA**TTTTCCAAGTATTGGAAACCAAGAATACCATTGGACGTT**
 GGACATCGTGGTGCAGGGAACTCAACAACGACTGCCAAGCTAGCTAAAGTACAGGAAAATACTATCGCTT
 CTTTAAGAAATGCTGCCAGT**CATGGCGCAGCATTGTAGAAATTTGATGTCCACCTTCAAAGGACTTTGT**
 GCCCGTGGTGTATCATGACCTCACCTGCTGTGACCATGAAGAGGAAAATGAAGCTGATCCAGTTGAA
 TTGTTTGAATCCAGTAAAAGAATTAACATTTGACCAACTCCAGTTATTGAAGCTTCTCATGTGACTG
 CATAAAAACCAAGACCGGAAACAATCTTTGTATGAGGAGGAAAATTTCTTTCTGAAAATCAGCCATT
 TCTTCTCTTAAGATGGTTTTAGAAATCATTGCCAGAAAATGATAGGATTTAATATAGAAAATAAAATGGATT
 TGCCAACACAGGGATGGAGTATGGGATGGCAACTATCAACATATTTTGATATGAATGTGTTTTGGATA
 TAATTTTAAAACTGTTTTAGAAAATCTGGGAAGAGGAGAATAGTGTCTTCTTTTGTATGCAGATAT
 TTGTACAATGGTTCGGCAGAAGCAGAACAAATATCCCATATTTTGGACCAAGGAAAGTCTGATATT
 TACCCGAAC**T**CATGGACCTCAGATCTCGGACAACACCCATTGCAATGAGTTTTGCACAGTTT**GAAAATA**
 TTTTGGGATAAATGCCATACTGAAGACCTCCTTAGAAACCCATCCTATGTCCAAGAGGCAAAAGCTAA
 GGGATTGGTCATATTCTGCTGGGGTGATGATACCAACGATCCTGAAAACAGAAGGAACTGAAGGAATTT
 GGAGTAAATGGTCTAATATATGATAGGATATATGATTGGATGCCTGAACAGCCAAATATATTCCAAGTGG
 AGCAGTTGGAGCGCTGAAGCAAGAATTGCCAGAGCTTAAGAAGTGTGTGCCACTGTAGCCACTT
 CATCCCTTCTTCTTTCTGTGTGGAGCCTGATATCCACGTGGATGCCAACGGCATTGATAGTGTGGAGAAC
 GCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAA**ACT**CATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001291052

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_001291052.1](#), [NP_001277981.1](#)

RefSeq Size: 3640 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 (7) 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). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.