

Product datasheet for **MC219840**

Gpcpd1 (NM_001042672) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpcpd1 (NM_001042672) 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: >MC219840 representing NM_001042672
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACACCTTCTCAGGTCACCTTTTGAATAAGAGGAACCTTTTACCAGGAGAGGCTTTTGCATATGTG
 GAAGCTGTGATGCCCTGGGAACTGGAATCCTCAAATGCTGTGGCTCTTATTAATGAAAACGAGACAGG
 AGACAGTGTGTTGTGAAAGCAGTGATTGCTCTCAATAGAGGAGTGTCAAGTGAAGTACCGTACTTCAGA
 GGCTGCTTTTGAACCAAAGACTATCGGTGGTCCATGTCAAGTCATAGTTCACAAGTGGGAGACTCATC
 TACAACCACGATCAATAACCCCTTTAGAAAGTGAATCATTATTGACGATGGACAGTTTGGCATCCACAA
 TGGTGTGAAACACTGGATTCTGGATGGCTTACATGTCAGACTGAAATAAGATTGCGTCTGCATTTTTCT
 GAGAAACCTCCTGTTCAATTAGCAAGAAAAAGTTCAAAAAATCGAGATTTAGGGTAAAGCTCACACTCG
 AGGGTCTGGAGGAAGATGAAGATGATGACGATAAGGTCTCTCCACTGTTCTTCACAAAATGTCCAA
 CAGCCTGGAGATATCCTTAATAAGTGACAATGAGTTCAAGTGCAGGCACTCACAGCCAGAATGTGGGTAT
 GGCTTACAGCCCGATCGTTGGACAGAGTACAGCATACAGACAATGGAACCAAGATAATCTGGAGCTCATCT
 TTGACTTTTTTGGGAAGATCTCAGTGAGCATGTAGTTCAGGGTGTGTTCTTCTGACACGTGGGCAC
 AGCATGCCTCCTGCTTCTACCATTGCTGAGAGTGAAGAAGCGCTGGAATCCTTACTCTTCCCATCATG
 AGCAGAAATCCAGAAAACTATAGGCAAAGTCAGAGTTGATTTTATCATCATCAAGCCATTACCTGGAT
 ATAGTTGTTCTATGCAGTCTTCATTTTCCAAGTATTGGAAACCAAGAATACCATTGGACGTTGGACATCG
 TGGTGCAGGGAACCAACAACGACTGCCAAGCTAGCTAAAGTACAGGAAAATACTATCGCTTCTTTAAGA
 AATGCTGCCAGTCATGGCGCAGCATTGTAGAATTTGATGTCCACCTTCAAAGGACTTTGTGCCCGTGG
 TGTATCATGACCTCACCTGCTGCTGACCATGAAGAGGAAATGAAGCTGATCCAGTTGAATTGTTTGA
 AATCCCAGTAAAAGAATTAACATTTGACCAACTCCAGTTATTGAAGCTTTCTCATGTGACTGCATTA
 ACCAAAGACCGGAAACAATCTTTGTATGAGGAGGAAAATTTCTTTTCTGAAAATCAGCCATTTCTTCTC
 TTAAGATGGTTTTAGAATCATTGCCAGAAAATGTAGGATTTAATATAGAAATAAAATGGATTTGCCAACA
 CAGGGATGGAGTATGGGATGGCAACTTATCAACATATTTTGTATGAATGTGTTTTGGATATAATTTTA
 AAACTGTTTTAGAAAATCTGGGAAGAGGAGAATAGTGTCTTCTTTTGTGACGATATTTGTACAA
 TGGTTCGGCAGAAGCAGAACAAATATCCCATATATTTTTGACCCAAGGAAAGTCTGATATTTACCCCGA
 ACTCATGGACCTCAGATCTCGACAACACCCATTGCAATGAGTTTTGCACAGTTTAAAAATTTTTGGGG
 ATAAATGCCCATACTGAAGACCTCCTTAGAAACCCATCCTATGTCCAAGGGCAAAGCTAAGGGATTGG
 TCATATCTGCTGGGGTGTGATACCAACGATCCTGAAAACAGAAGGAAACTGAAGGAATTTGGAGTAAA
 TGGTCTAATATATGATAGGTATTTGTTTTTCATAAAAAATTTCCATGGAATTTTTCAAAAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001042672

Insert Size: 1887 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_001042672.1](#), [NP_001036137.1](#)

RefSeq Size: 3392 bp

RefSeq ORF: 1887 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]
Transcript Variant: This variant (4) differs in the 3' UTR and coding sequence and lacks an alternate in-frame exon compared to variant 8. The resulting isoform (3) has a shorter and distinct C-terminus and lacks an alternate internal segment compared to isoform 4. 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.