

Product datasheet for **MC228641**

Gpcpd1 (NM_028802) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpcpd1 (NM_028802) 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: >MC228641 representing NM_028802
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACACCTTCTCAGGTCACCTTTTGAATAAGAGGAACTCTTTTACCAGGAGAGGCTTTTGCATATGTG
 GAAGCTGTGATGCCCTGGGAAACTGGAATCCTCAAATGCTGTGGCTCTTATTAATGAAAACGAGACAGG
 AGACAGTGTGTTGTGAAAGCAGTGATTGCTCTCAATAGAGGAGTGTGAGTGAAGTACCGTACTTCAGA
 GGCTGCTTTTTAGAACCAAAGACTATCGGTGGTCCATGTCAAGTCATAGTTCACAAGTGGGAGACTCATC
 TACAACCACGATCAATAACCCCTTTAGAAAGTGAATCATTATTGACGATGGACAGTTTGGCATCCACAA
 TGGTGTGAAACACTGGATTCTGGATGGCTTACATGTCAGACTGAAATAAGATTGCGTCTGCATTTTTCT
 GAGAAACCTCCTGTTCAATTAGCAAGAAAAAGTTCAAAAAATCGAGATTTAGGGTAAAGCTCACACTCG
 AGGGTCTGGAGGAAGATGAAGATGATGACGATAAGGTCTCTCCACTGTTCTTCACAAAATGTCCAA
 CAGCCTGGAGATATCCTTAATAAGTGACAATGAGTTCAAGTGCAGGCACTCACAGCCAGAATGTGGGTAT
 GGCTTACAGCCCGATCGTTGGACAGAGTACAGCATACAGACAATGGAACCCAGATAATCTGGAGCTCATCT
 TTGACTTTTTTGGGAAGATCTCAGTGAGCATGTAGTTCAGGGTGTGTTCTTCTGACACGTGGGCAC
 AGCATGCCTCCTGCTTCTACCATTGCTGAGAGTGAAGAAGCGCTGGAATCCTTACTCTTCCCATCATG
 AGCAGAAATCCAGAAAACTATAGGCAAAGTCAGAGTTGATTTTATCATCATCAAGCCATTACCTGGAT
 ATAGTTGTTCTATGCAGTCTTCATTTTCCAAGTATTGGAAACCAAGAATACCATTGGACGTTGGACATCG
 TGGTGCAGGAACTCAACAACGACTGCCAAGCTAGCTAAAGTACAGGAAAATACTATCGCTTCTTTAAGA
 AATGCTGCCAGTCATGGCGCAGCATTGTAGAAATTTGATGTCCACCTTTCAAAGGACTTTGTGCCGTGG
 TGTATCATGACCTCACCTGCTGCTGACCATGAAGAGGAAATATGAAGCTGATCCAGTTGAATTGTTTGA
 AATCCCAGTAAAAGAATTAACATTTGACCAACTCCAGTTATTGAAGCTTTCTCATGTGACTGCATTA
 ACCAAAGACCGGAAACAATCTTTGTATGAGGAGGAAAATTTCTTTTCTGAAAATCAGCCATTTCTTCTC
 TTAAGATGGTTTTAGAATCATTGCCAGAAAATGTAGGATTTAATATAGAAATAAAATGGATTTGCCAACA
 CAGGGATGGAGTATGGGATGGCAACTTATCAACATATTTTGTATGAATGTGTTTTTGGATATAATTTTA
 AAAACTGTTTTAGAAAATTTGGGAAGAGGAGAATAGTGTCTTCTTTTGTGAGCAGATATTTGTACAA
 TGGTTCGGCAGAAGCAGAACAATATCCCATATTTATTTTGGACCAAGGAAAGTCTGATATTTACCCCGA
 ACTCATGGACCTCAGATCTCGGACAACACCCATTGCAATGAGTTTGCACAGTTTAAAAATTTTGGGG
 ATAAATGCCCATACTGAAGACCTCCTTAGAAACCCATCCTATGTCCAAGAGGCAAAGCTAAGGGATTGG
 TCATATTCGCTGGGGTATGATACCAACGATCCTGAAAACAGAAGGAAACTGAAGGAATTTGGAGTAAA
 TGGTCTAATATATGATAGGATATATGATTGGATGCCTGAACAGCCAAATATATTCCAAGTGGAGCAGTTG
 GAGCGCTGAAGCAAGAATTGCCAGAGCTTAAGAACTGTTTGTGTCCCCTGTTAGCCACTTCATCCCTT
 CTCTTTCTGTGTGGAGCCTGATATCCACGTGGATGCCAACGGCATTGATAGTGTGGAGAACGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028802

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).

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:	<ol style="list-style-type: none">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:	<u>NM_028802.3</u> , <u>NP_083078.3</u>
RefSeq Size:	3716 bp
RefSeq ORF:	2028 bp
Locus ID:	74182
UniProt ID:	<u>Q8COL9</u>
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 (2) differs in the 5' UTR and lacks an alternate in-frame exon compared to variant 8. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 4. Variants 2 and 10 both encode the same isoform (2).