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Product datasheet for MR230852

Gpcpd1 (NM_028802) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpcpd1 (NM_028802) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpcpd1
Synonyms:	2310004G06Rik; 2310032D16Rik; AU015213; Gde5; mKIAA1434; Prei4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR230852 representing NM_028802
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACACCTTCTCAGGTCACTTTTGAAATAAGAGGAACTCTTTTACCAGGAGAGGTCTTTGCAATATGTG
GAAGCTGTGATGCCCTGGGAAACTGGAATCCTCAAAATGCTGTGGCTCTTATTAATGAAAACGAGACAGG
AGACAGTGTGTTGTGGAAAGCAGTGATTGCTCTCAATAGAGGAGTGTCAGTGAAGTACCGCTACTTCAGA
GGCTGCTTTTTAGAACCAAAGACTATCGGTGGTCCATGTCAAGTCATAGTTCACAAGTGGGAGACTCATC
TACAACCACGATCAATAACCCCTTTAGAAAGTGAAATCATTATTGACGATGGACAGTTTGGCATCCACAA
TGGTGTTGAAACACTGGATTCTGGATGGCTTACATGTCAGACTGAAATAAGATTGCGTCTGCATTTTTCT
GAGAAACCTCCTGTTTCAATTAGCAAGAAAAAGTTCAAAAAATCGAGATTTAGGGTAAAGCTCACACTCG
AGGGTCTGGAGGAAGATGAAGATGATGATGACGATAAGGTCTCTCCCACTGTTCTTCACAAAATGTCCAA
CAGCCTGGAGATATCCTTAATAAGTGACAATGAGTTCAAGTGCAGGCACTCACAGCCAGAATGTGGGTAT
GGCTTACAGCCCGATCGTTGGACAGAGTACAGCATACAGACAATGGAACCAGATAATCTGGAGCTCATCT
TTGACTTTTTTGAGGAAGATCTCAGTGAGCATGTAGTTCAGGGTGATGTTCTTCCTGGACACGTGGGCAC
AGCATGCCTCCTGTCTTCTACCATTGCTGAGAGTGGAAGAAGCGCTGGAATCCTTACTCTTCCCATCATG
AGCAGAAATTCCAGAAAAACTATAGGCAAAGTCAGAGTTGATTTTATCATCATCAAGCCATTACCTGGAT
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TGGTGCAGGGAACTCAACAACGACTGCCAAGCTAGCTAAAGTACAGGAAAATACTATCGCTTCTTTAAGA
AATGCTGCCAGTCATGGCGCAGCATTTGTAGAATTTGATGTCCACCTTTCAAAGGACTTTGTGCCCGTGG
TGTATCATGACCTCACCTGCTGTCTGACCATGAAGAGGAAATATGAAGCTGATCCAGTTGAATTGTTTGA
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AAAACTGTTTTAGAAAATTCTGGGAAGAGGAGAATAGTGTTTTCTTCTTTTGATGCAGATATTTGTACAA
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ATAAATGCCCATACTGAAGACCTCCTTAGAAACCCATCCTATGTCCAAGAGGCAAAAGCTAAGGGATTGG
TCATATTCTGCTGGGGTGATGATACCAACGATCCTGAAAACAGAAGGAAACTGAAGGAATTTGGAGTAAA
TGGTCTAATATATGATAGGATATATGATTGGATGCCTGAACAGCCAAATATATTCCAAGTGGAGCAGTTG
GAGCGCCTGAAGCAAGAATTGCCAGAGCTTAAGAACTGTTTGTGTCCCACTGTTAGCCACTTCATCCCTT
CTTCTTTCTGTGTGGAGCCTGATATCCACGTGGATGCCAACGGCATTGATAGTGTGGAGAACGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

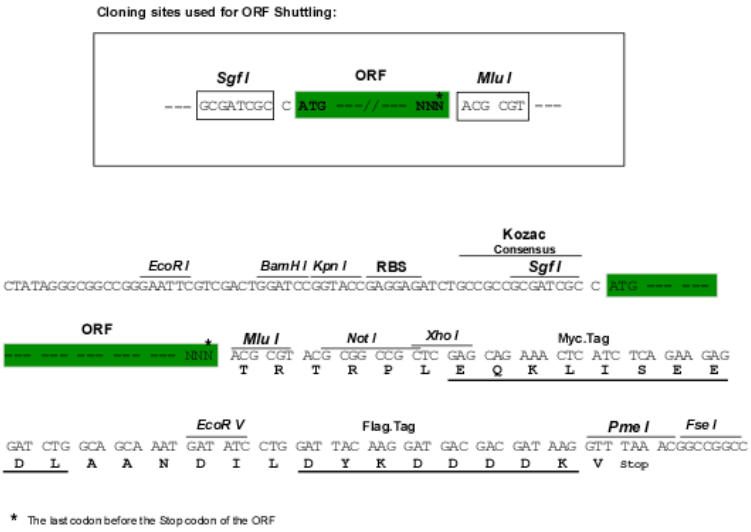
>MR230852 representing NM_028802
Red=Cloning site Green=Tags(s)

MTPSQVTFEIRGTLLPGEVFAICGSCDALGNWNPQNAVALINENETGDSVLWKAVIALNRGVSVKYRYFR
GCFLEPKTIGGPCQVIVHKWETHLQPRSITPLESEIIIDDGQFGIHNGVETLDSGWLTCQTEIRLRLHFS
EKPPVSISKKKFKKSRFRVKLTLEGLEEDEDDDDDKVSPTVLHKMSNSLEISLISDNEFKCRHSQPECGY
GLQPDRWTEYSIQTMEPDNLELIFDFFEEDLSEHVVQGDVLPGHVGTACLLSSTIAESGRSAGILTLPIM
SRNSRKTIGKVRVDFIIIKPLPGYSCSMQSSFSKYWKPRIPLDVGHRGAGNSTTTAKLAKVQENTIASLR
NAASHGAAFVEFDVHLSKDFVPVVYHDLTCCLTMKRKYEADPVELFEIPVKELTFDQLQLLKLSHVTALK
TKDRKQSLYEEENFFSENQPFPSLKMVLESLPENVGFNIEIKWICQHRDGVWDGNLSTYFDMNVFLDIIL
KTVLENSGKRRIVFSSFDADICTMVRQKQNKYPILFLTQGKSDIYPELMDLRSRTTPIAMSFAQFENILG
INAHTEDLLRNPSYVQEAKAKGLVIFCWGDDTNDPENRRKLKEFGVNGLIYDRIYDWMPEQPNIFQVEQL
ERLKQELPELKNCLCPTVSHFIPSSFCVEPDIHVDANGIDSVENA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

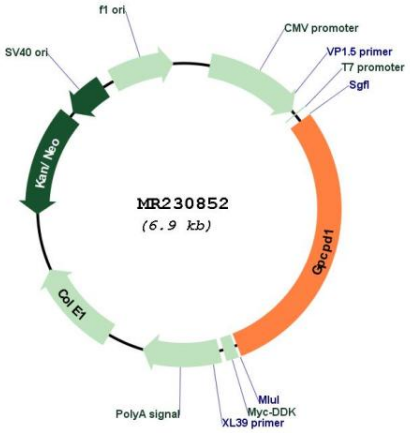


ACCN: NM_028802

ORF Size: 2025 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_028802.3, NP_083078.3
RefSeq Size:	3716 bp
RefSeq ORF:	2028 bp
Locus ID:	74182
UniProt ID:	Q8C0L9
Cytogenetics:	2
MW:	77 kDa
Gene Summary:	May be involved in the negative regulation of skeletal muscle differentiation, independently of its glycerophosphocholine phosphodiesterase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230852