

Product datasheet for **RN212638**

Gpcpd1 (NM_198779) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpcpd1 (NM_198779) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpcpd1
Synonyms:	Gde5; Prei4; RGD735140
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212638 representing NM_198779
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACACCTTCTCAGGTCACCTTTGAAATAAGAGGAACTCTTTTACCAGGAGAGGCTTTTGCATGTGTG
 GAAACTGTGATGCCTTGGGAAACTGGAGTCCTCAAAATGCTGTGCCTCTTACTGAGAGTGAGACAGGCGA
 AAGTGTATGAAAAGCAGTGATTGTTCTTAGTAGAGGAATGTCCGTGAAGTACCGCTACTTCAGAGGCTGC
 TTTTGTAGAACAAAGACTATCGGTGGTCCATGTCAAGTCATAGTTCACAAGTGGGAGACTCATCTACAAC
 CACGATCAATAACCCCTTTAGAAAACGAAATCATTATTGACGATGGACAATTTGGAATCCACAATGGTGT
 TGAAACACTGGATTCTGGATGGCTTACCTGTGACTGAAATAAGACTGCGTCTGCATTTTTCTGAGAAA
 CCTCTGTTTCAATTACCAAGAAAAGTCAAAAAATCTAGATTTAGGGTAAAGCTTACACTAGAGGGTC
 TGGAGGAAGATGATGACGACGATGATAAGGCATCTCCACTGTTCTTACAAGATGTCCAATAGCCTGGA
 GATATCCTTAATAAGTGACAATGAGTTCAGTGCAGGCACTCACAGCCAGAAATGTGGGTATGGCTTACAG
 CCTGACCCTGGACAGAGTACAGCATACAGACAATGGAGCCGGACAACCTTGAACCTCATCTTTGACTTTT
 TTGAGGAAGATCTCAGTGAGCATGTAGTCCAGGGTGTGTTCTTCTGGACATGTGGGCACAGCATGCCCT
 CCTGTCATCTACCATTGCTGAGAGTGAGAGAAGCGCTGGAATCCTTACTCTTCCCATCATGAGCAGAAGT
 TCCAGAAAACTATAGGCCAAAGTCAGAGTTGATTTTATCATCATCAAGCCATTACCAGGATATAGTTGTT
 CTATGCAGTCTTCATTCTCCAAGTATTGGAAAACCAAGAATACCACTGGATGTTGGACATCGTGGTGCAGG
 GAACTCAACAACAAGTCCAAGCTGGCTAAAGTACAGGAAAATACTATTGCTTCTTAAAGAAATGCTGCC
 AGCCATGGTGCAGCATTGTGGAATTTGATGTCCACCTTCAAAGGACTTAGTGCCTGTAGTGTATCATG
 ATCTCACCTGCTGTTAACTATGAAAAGGAAATATGAAGCTGATCCAGTTGAATTGTTGAAATCCAGT
 AAAGGAATTAACATTCGACCAACTCCAGTTATTGAAGCTTCTCATGTGACTGCACTAAAAACCAAGAC
 CAGAAAACATGTATGGCTGAGGAGGAAAATTCCTTTTCTGAAAACCAACCATTTCTTCTTAAAGATGG
 TTTTAGAGTCATTGCCAGAAAATGTAGGATTTAATATAGAAAATAAATGGATTTGCCAACACAGGGATGG
 AGTATGGGACGGCAACTATCGACATATTTTGATATGAATGCATTTTGGATATAATTTAAAACTGTT
 TTAGAAAATTCGGGAAGAGGAGAATAGTATTTCTTCTTATTTGATGCAGACATCTGTACAATGGTTCGGC
 AGAAAACAAAACAATATCCCATATTTTGGACCAAGGAAAGTCTGACATTTACCCTGAACCTCATGGA
 CCTCAGATCTCGGACAACACCCATTGCAATGAGCTTTCACAGTTTGAATAATTTGGGATAAATGCC
 CATACTGAAGATCTCCTTAGAAACCCATCTATGTCCAAGAGGCAAAAGATAAGGGATTGGTCATATTCT
 GCTGGGGTGATGATACCAATGATCCTGAAAACAGAAGGAAACTGAAGGAATTTGGAGTAAATGGTCTAAT
 ATATGATAGGATATACGATTGGATGCCTGAACAACCAATATATTCCAAGTGGAGCAACTGGAGCGCCTG
 AAGCGAGAATTGCCAGAGCTTAAGAAGTGTGTTGTCCCACTGTTAGCCACTTATTCTCTCTTCTTTCT
 GTATGGAGTCTAAAATCCATGTGGATGCTAACGGCATTGATAATGTGGAGAACGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_198779
- Insert Size:** 2019 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_198779.1](#), [NP_942074.1](#)

RefSeq Size: 3229 bp

RefSeq ORF: 2019 bp

Locus ID: 362219

UniProt ID: [Q80VJ4](#)

Cytogenetics: 3q36

Gene Summary: may be expressed in brain capillaries [RGD, Feb 2006]