*h*GDPD5 VersaClone cDNA

Catalog Number: RDC0621

Specifications:

Gene:	*h*GDPD5
Accession:	NP_110419
Insert size:	1831bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

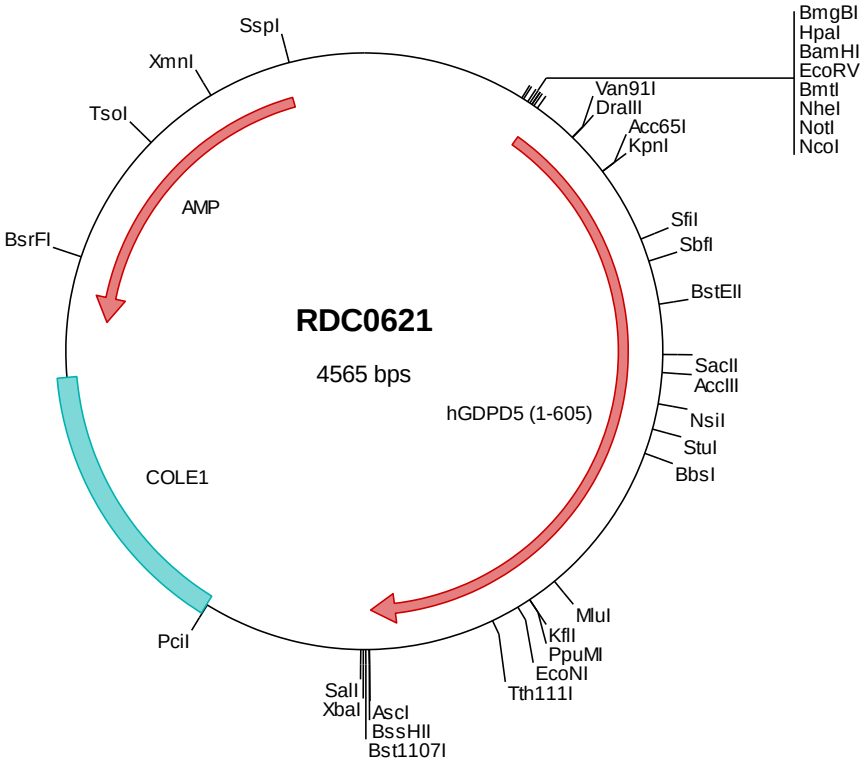
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*GDPD5 cDNA Plasmid

GDPD5 glycerophosphodiester phosphodiesterase domain containing 5 [*Homo sapiens*]

Also known as: GDE2; PP1665

Summary:
Glycerophosphodiester phosphodiesterases, such as GDPD5, are involved in glycerol metabolism. GDPD5 is widely expressed in human tissues. The expression levels in kidney and prostate are relatively low. GDPD5 plays a critical role for glycerophosphodiester metabolism in motor neuron differentiation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0621 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggtgagac accagcccct gcagtactac gagccacagc tgtgcctctc
 501  ctgcctcacg ggcatctacg gctgccgttg gaagcgctac cagcgctccc atgatgatac cacaccgtgg gagcgcctct ggttcctgct cctcaccttc
 601  acctttggcc tcacgctcac ctggctttac ttctggtggg aagtccacaa tgactatgat gaattcaact ggtacctcta caaccgcatg ggctactgga
 701  gcgactggcc cgtacccatc cttgtgacca cagctgctgc cttcgcatac atcgctggcc tcctggtcct ggcactatgt cacattgccg tggggcagca
 801  gatgaacctg cactggctgc acaagatcgg gctggtggtc atcctggctt ccacggtggt ggccatgtcg gccgtggccc agctgtggga ggacgagtgg
 901  gaggtgctgc tgatctccct gcagggcaca gcgccattcc tgcatgtggg ggctgtggca gcagtcacca tgctctcctg gatcgtggca ggacagttcg
1001  cccgcgcaga gcggacctcc tcccaggtga ccattctctg taccttcttc accgtggtgt ttgccctcta cctggcccct ctcaccatct cctctccctg
1101  catcatggag aagaaagacc tcggccccaa gcctgctctc attggccacc gcggggcccc catgctggct ccagagcaca cgctcatgtc cttccggaag
1201  gccctcgagc agaagctgta cgggctccag gctgacatta ccatcagcct ggacggcgtg cccttcctca tgcatgacac caccctgcgg cgcaccacca
1301  acgtggagga ggagttcccg gagctggccc gcaggcctgc ctccatgctt aactggacca ccctgcagag actcaacgct ggccagtggt tcctgaagac
1401  tgaccccttc tggacagcca gctccctgtc accctccgac cacagagagg cccagaacca gtccatctgc agcctggcag agctcctgga gctggccaag
1501  ggcaatgcca cactgctgct caacctgcgt gacccgcccc gggagcaccc ctaccgcagc agttttatca acgtgactct ggaggccgtg ctgcactccg
1601  gcttccccca gcaccaggtc atgtggctgc ctagcaggca gaggcccctg gtgcggaagg tggctcccgg cttccaacag acatcaggct ccaaggaggc
1701  agtcgccagc ctgcggagag gccacatcca gcggctgaac ctgcgctaca ctcaggtgtc ccgccaggag ctcagggact acgcgtcctg gaacctgagt
1801  gtgaacctct acacagtcaa cgcaccgtgg ctcttctccc tgctgtggtg tgcgggggtc ccatccgtca cctctgacaa ctcccacgcc ctgtcccagg
1901  tgccttcccc cctctggatc atgcccccgg acgagtactg tctcatgtgg gtcactgccg acctggtctc cttcaccctc atcgtgggca tcttcgtgct
2001  ccagaagtgg cgcctgggtg gcatacggag ctacaaccct gagcagatca tgctgagtgc tgcggtgcgc cggaccagcc gggacgtcag catcatgaag
2101  gagaagctta ttttctcaga gatcagcgat ggtgtagagg tctccgatgt gctctccgta tgttcagaca acagttatga cacatatgcc aacagcaccg
2201  ccacccctgt gggcccccga gggggtggca gccacaccaa gaccctcata gagcggagtg gacgttaaag gcgcgccagt atactctaga gtcgacaccc
2301  ggggaattcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg
2401  agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg
2501  tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt gcgtattggg cgctcttccg cttcctcgct cactgactcg ctgcgctcgg
2601  tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg
2701  ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg ccccccgac gagcatcaca aaaatcgacg ctcaagtcag
2801  aggtggcgaa acccgacagg actataaaga taccaggcgt ttcccccgg aagctccctc gtgcgctctc ctgttccgac cctgccgctt accggatacc
2901  tgtccgcctt tctcccttcg ggaagcgtgg cgctttctca atgctcacgc tgtaggtatc tcagttcggt gtaggtcgtt cgctccaagc tgggctgtgt
3001  gcacgaaccc cccgttcagc ccgaccgctg cgccttatcc ggtaactatc gtcttgagtc caacccggta agacacgact tatcgccact ggcagcagcc
3101  actggtaaca ggattagcag agcgaggtat gtaggcggtg ctacagagtt cttgaagtgg tggcctaact acggctacac tagaaggaca gtatttggta
3201  tctgcgctct gctgaagcca gttaccttcg gaaaaagagt tggtagctct tgatccggca aacaaaccac cgctggtagc ggtggttttt ttgtttgcaa
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3401  ttggtcatga gattatcaaa aaggatcttc acctagatcc ttttaaatta aaaatgaagt tttaaatcaa tctaaagtat atatgagtaa acttggtctg
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3601  acgggagggc ttaccatctg gccccagtgc tgcaatgata ccgcgagacc cacgctcacc ggctccagat ttatcagcaa taaaccagcc agccggaagg
3701  gccgagcgca gaagtggtcc tgcaacttta tccgcctcca tccagtctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc
3801  gcaacgttgt tgccattgct acaggcatcg tggtgtcacg ctcgtcgttt ggtatggctt cattcagctc cggttcccaa cgatcaaggc gagttacatg
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> RDC0621 Translated Insert Sequence

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 101  iagllvlalc hiavgqqmnl hwlhkiglvv ilastvvams avaqlwedew evllislqgt apflhvgava avtmlswiva gqfaraerts sqvtilctff
 201  tvvfalylap ltisspcime kkdlgpkpal ighrgapmla pehtlmsfrk aleqklyglq aditisldgv pflmhdttlr rttnveeefp elarrpasml
 301  nwttlqrlna gqwflktdpf wtasslspsd hreaqnqsic slaellelak gnatlllnlr dpprehpyrs sfinvtleav lhsgfpqhqv mwlpsrqrpl
 401  vrkvapgfqq tsgskeavas lrrghiqrln lrytqvsrqe lrdyaswnls vnlytvnapw lfsllwcagv psvtsdnsha lsqvpsplwi mppdeyclmw
 501  vtadlvsftl ivgifvlqkw rlggirsynp eqimlsaavr rtsrdvsimk eklifseisd gvevsdvlsv csdnsydtya nstatpvgpr gggshtktli
 601  ersgr
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