

Product datasheet for **RN210431**

Gpd2 (NM_012736) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpd2 (NM_012736) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpd2
Synonyms:	mtGPDH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN210431 representing NM_012736
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTTTCAAAGGTAGTGAAAGGGACTATTCTTATGGGTGGAGGAGCTCTGGCCACTGTTTTGGGAC
 TCTCTCAGTTTGCTCACTACAGAAGGAAGCAAGTAAGCCTGGCGTATGTGGAAGCAGCAACATGCTTCTC
 AGAGCCCGTGAACAGGGAGCCTCCTCCAGAGAAGCTCAGCTCATGACTCTGCAGAACACATCGGAATTT
 GACATCCTCGTCATTGGAGGAGGAGCCACAGGATGTGGCTGTGCGCTAGACGCCGTACCAGAGGACTGA
 AAACAGCCCTTGTAGAGAGAAATGACTTCGCATCAGGGACTAGCAGCAGAAGCACTAAATGATCCATGG
 TGGCGTACGATACCTCCAGAAGGCTATCACGAACCTGGATGTTGAACAGTATAGGATGGTAAAGAGGCC
 CTTTCATGAACGTGCCAATTACTAGAAATCGCTCCCCATCTATCAGCTCCGCTGCCTATAATGCTGCCAC
 TTTATAAGTGGTGGCAGTTACCTTATTACTGGGTGGGAATCAAGATGTATGATCTGGTTGCAGGAAGTCA
 TTGCCTGAAGAGCAGTTATGTCCTCAGTAAATCCAGAGCCCTTGAGCATTCCCCATGCTCCAGAAGGAC
 AAGCTGGTCGGAGCCATTGTCTACTATGATGGACAGCACAATGACGCCCGGATGAACCTCGCCATCGCCC
 TCACCCGCTGCCAGGTACGGGGCTGCCACGGCCAATTACATGGAGGTGGTGAAGCTTGTCAAGAAGACAGA
 CCCCAGAACTGGGAAAGAGCGCGTGAAGTGGTGGCCGGTGAAGGACGTGCTCACAGGGCATGAGTTTAAAC
 GTGAGAGCTAAATGCGTTATCAATGCCACCGGCCCTTTCACAGACTCCGTGCGCAAAATGGATGATAACG
 ATGTTGTTCCCATCTGCCAGCCAGTGCAGGGGTTACATTGTGATGCCCGGGTACTACAGCCCCGAGAA
 CATGGGACTTCTTGATCCTGCAACCAAGTATGGCAGAGTTATTTTCTTCTGCTTGGGAGAAGATGACA
 ATTGCGGGTACCCTGATTCGCCAACGGACGTCACGCACCCTTCCCTTCGGAAGACGACATTAAC
 TCATCTTAAATGAAGTGGGAACTACCTGAGTTGCGAGTTGAAGTGAAGAAGAGGGGATGCTCTGGCAGC
 GTGGAGTGGCATTGCGCCGCTTGTACCGATCCCAAGTCTGCAAACTCAGTCCATCTCTCGAAATCAT
 GTTGTGGAAGTCAGCGACAGTGGCCTCATCACAATAGCAGGTGGGAAGTGGACCACATATCGCTCCATGG
 CAGAAGATACTGTGAACAAAGCTGTCAAGCTTCACAACTGAATGCAGGACCCAGTAGGACCGTTGGGCT
 CTTCTTCAAGGAGGCAAGATTGGAGCCCCACTCTACATCAGGCTTGTCCAGGACTATGGGCTTGAG
 AGTGAGGTTGCACAACACCTGGCCAAAACCTATGGTGACAAGGCTTTCGACGTGGCCAAAATGGCAAGTG
 TGACTGGAAAACGGTGGCCTGTTGTTGGAGTGCCTTGTGTGAGATTTCCGTACATCGAAGCAGAGGT
 GAAATATGGGATTAAGGAGTACGCATGCACCGCTGTTGACATGATTTACGTCGCACCCGCTGGCCTTT
 CTTAATGTTGAGGCTGCAGAGGAAGCCCTGCCAAGATTGTTGAGTTAATGGGAAGAGAATTGAACTGGA
 GTGAATTGAGGAAACAGGAAGAACTTGAACAGCCACGAGGTTTCTGTACTATGAAATGGGCTATAAGTC
 TCGAACAGAACTCACAGATAGTACTGAAATCAGCCTGCTGCCTCCAGACATCGATCGGTACAAGAAG
 AGATTTACATGTTTGTGAAGACGAAAAGGCTTCAATACCATTGTTGATGTTCAACGTGTGCTAGAGA
 GTATCAATGTACAAATGGACGAAGACACTACATGAAATTTCTGTGAGTGAAGTGAACAAGAATGG
 TCAGGTTGAGCTCCATGAGTTTCTGCAGCTGATGAGCGCAGTTACATACAGGAAGGGTGTCTGGAAGCCGG
 CTTGCCATCCTCATGAAGACTGCCGAGGAGAATTGGACCGTAGAGTTCCAATCCCCGGGATCGTAGTT
 GTGGAGGATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012736
Insert Size: 2184 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:	<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_012736.1</u> , <u>NP_036868.1</u>
RefSeq Size:	2400 bp
RefSeq ORF:	2184 bp
Locus ID:	25062
UniProt ID:	<u>P35571</u>
Cytogenetics:	3q21
Gene Summary:	FAD-linked glycerol-3-phosphate dehydrogenase; expression in liver is induced by thyroid hormone [RGD, Feb 2006]