

Product datasheet for **MC204434**

Gdpd2 (NM_023608) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gdpd2 (NM_023608) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gdpd2
Synonyms:	9130017L10Rik; Gde3; Obdpf
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC038274
 CCACGCGTCCGGCCAGCTCCAGAGAGTAAAGAAGCCGACCTCCTCTCCAGCTAGCTCACTCGCTCATCTT
 CCCACCATGACTGTGCTCGAGCCATAGCGCCTCTCCCGCCTTCCAAGAGGACCCACACTTCTTCTGTA
 GGTGGCAACAGTGACACCTGTTTGACCAGTGAGGCTGAGCCAGGGACTGCAAGAGGGAGGAGGCAGACAA
 CTCGGAGAGGAGCTGGGAGGCAGAGCTGCGGGCTTGCTTGCTCACTGTGTAAAAGGCCTTAACCATGGCA
 GATTCCTCCCGGCTGCTGCTCCATCTGGGCCGCTGCCTCCACTGCCTGTACAGCTGCCACTGGAGGAAAT
 ATCCTAAACAGAAGATGCAAACCAGCAAGTGCAGCTGTATCTGGTTTGGCCTGCTTCTCCTCACCTTCT
 CCTGTCCCTGGGATGGCTGTACATCGGGCTCATCCTTCTCAATGATCTGACAACCTCAATGAATTCCTG
 TTCGCCATTGGGGACACTGGATGGACTGGTCCCTGATAGTCTGCTGGTCTCTCTCCTGGTACAT
 ATGCATCCTTGCTATTGCTCCTGGGCTGCTCCTGCAACTCTGTGGACAGCCTCTGCATCTTACAGTCT
 CCACAAGGTGCTGCTGCTCCTCATTGTACTTCTAGTGGCCGCGGGACTGGTGGGCTGGATATCCAATGG
 CGGCAGGAGTGGCATAGTTTACGACTGCTACTGCAGGCCACAGCCCCATTCTTACATTGGAGCAGTTG
 CTGGAATCACCTGTTGGCTGGCTGTGGCTGATACCTTCTACCGCATCCACCAAGAGGCCCAAGGT
 TCTGCTACTGTTGCTATTTTTGGAGTCACTCTGGTCACTACCTGATGCCGCTGCTGTTTCTCTTCC
 CCCTGCATCATGAACTCAGAGATTTACCCCCAAGCCTGGGCTGGTGGGACACCGAGGGGCCCCCATGC
 TGGCCCTGAGAATACCTGATGTCCTGAGGAAGACAGCTGAATGTGGAGCGGCTGTGTTGAGACAGA
 TGTGATGGTCAGCTCTGACGGAGTCCCCTTCTCATGCATGATGAGCGACTGAGCAGGACTACCAATGTA
 GCCTCTGTGTTTCCAGAGCGAATCTCAGCCACAGCAGTGAATCTCCTGGGCTGAACTGCAGAGACTCA
 ATGCTGGAACCTGGTTCCTAGAGAGGCAACCTTCTGGGGGGCCAAAAGCTGTCAGGCTCTGATCGGAA
 GGAGGCTGAGAATCAGACCATACCAGCATTAGAAGAACTACTGAAGGAAGCAGCAGCTCTCAACCTTTC
 ATCATGTTGACTTGGCCGACCCCAAGAAACACACATACTATGATACTTTTGTGAATCAGACACTGG
 AGGCTGTGTTGAGTGCAAACGTGTCCCAAGCTATGGTTCCTTGGCTCCAGATGAAGACCGTGCTAACGT
 GCAGCAACGCGCCCCAGAAATGCGCCAGATATATGGACATCAGGGAGGCAATTGGACTGAGAGCCCCAG
 TTTCTCAACCTCCCTATCAAGACCTGCCAGCATTGGATATCAAGGCCCTGCACCAGGATAATATCTCAG
 TGAACCTGTTTGTAGTGAACAAGCCTGGCTCTTCTCCCTGCTCTGGTGTGCAGGGGTGGATTCTGTAC
 CACCAATGCCTGCCAGCTGCTGCAACAGATGCAGAACCCCTCTGGCTTCTTCCCTCAAAAATACTTA
 ATGATTTGGGTGATCACCGACTGTGCCTCCATTCTGCTGCTTTTGTGATCTTCTCCTCCGAGGGGGAT
 GTGCTAAGAGAAACAGAACAGGCTTAGAAACAGCAGTGTACTGACCAAGATCAACAATTCGCCTCTGA
 GTGAATGCCGGGCCAGGCCGCCACCAGCTGCTGTCTAAGGCTGTGTGCACTGTTCAAAGGGAAGGACA
 GGAGCTGAAGTGAATGCCTAGAATCAAATGTTTGGAGGAGGAGCATTGCTAACAGAAGATTTTGAAC
 TCAGAGGGCCCTCTGTCCAGATGGTGGCATGTCTCAAGCTGCCATGGAATTTGCTGCCTTTGGTGTG
 ACATGAATTAGTCGAAAAGACAGTGAAGTCAAGAAGTTACTCCCAAAATGAAATTAAGCAAGGAAGTG
 AGAGAGATTGCCAAGATAATGCATTAGGCTTGTGTGCACATGACTTGGATAGAAGAAGCAGGGTGTGTC
 AGGGTGGGATAGCTCAGAATGATGACTGAAGGAAATTTGGCCACAATGGCCTTCCGGAAGAACTTTAA
 GATGCTGAAGACAGTCCACACTCCATGCCTTCTTCTCACCCCTCACACTTCATCTTCTTTCTGCCTAC
 AGGCTGGGAGTAAAAAGCTCATTTAGCAATATAATATTGTGTCTATGGTAGGTTTTTGTGTGAGCAAT
 GAATGGTTCCTGTATCTTGCCTGTTAATCTGTTATTCAATGAATTTTTAATTTGTAACAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_023608

Insert Size: 1620 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: [BC038274](#), [AAH38274](#)

RefSeq Size: 2520 bp

RefSeq ORF: 1620 bp

Locus ID: 71584

UniProt ID: [Q9ESM6](#)

Cytogenetics: X C3

Gene Summary: This gene encodes a member of the glycerophosphodiester phosphodiesterase enzyme family. The encoded protein hydrolyzes glycerophosphoinositol to produce inositol 1-phosphate and glycerol. Overexpression of this gene is associated with activity-dependent actin cytoskeleton disorganization. The encoded protein may negatively regulate growth rate and induce differentiation of osteoblasts. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.