

Product datasheet for **SC328955**

GDPD2 (NM_001171192) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GDPD2 (NM_001171192) Human Untagged Clone
Tag:	Tag Free
Symbol:	GDPD2
Synonyms:	GDE3; OBDPF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

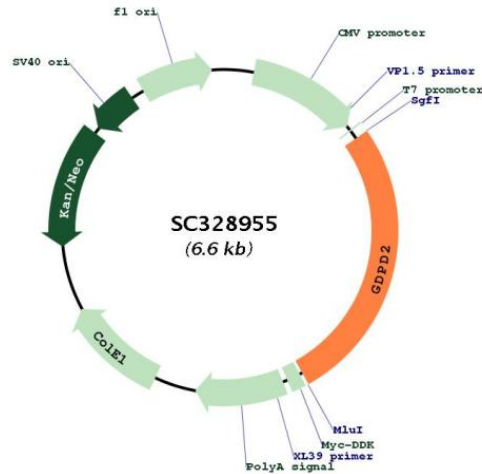


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Fully Sequenced ORF: >SC328955 representing NM_001171192.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCGAGTCCCCCGCTGCTCCGTCTGGGCCCGCTGCCTCCACTGCCTGTATAGCTGCCACTGG
AGGAAATGCCCCAGAGAGAGGATGCAAACCAGCAAGTGGACTGTATCTGGTTTGGCCTGCTCTTCCTC
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CGTTACCCTATCTGGCTTATTACCCTCAAACCTACCTAATCATATGGGTATTACCAATTGTGTTTCC
ACCATGCTGCTTTTGTGGACCTTCTCCTCAAAGAAGATTTGTTAAGAAGAGAGGGAAAACCTGGCTTA
GAAACAGCAGTGTGCTGACAAGGATCAACAATTTTCATGATGGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001171192

Insert Size: 1773 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001171192.1](#)

RefSeq Size: 2443 bp

RefSeq ORF: 1773 bp

Locus ID: 54857

UniProt ID: [Q9HCC8](#)

Cytogenetics: Xq13.1

Protein Families: Transmembrane

MW: 67 kDa

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. This protein may have a role in osteoblast differentiation and growth. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2010]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).