

Product datasheet for **RG212451**

PID1 (NM_017933) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PID1 (NM_017933) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PID1
Synonyms:	HMFN2073; NYGGF4; P-CLI1; PCLI1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212451 representing NM_017933 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAAGGATTGCTGGCAACCACCTGATGTTAGAAAGAGTCGAGGACATGTTCTTCTCCAGAGCTTTTGG
ATGGTGTGTGGCCCTGCCAACCTTTACATTTTGGACTTCCAGCCTCCGAAATGCACTTTCCAGACCATGCT
GAAGTCTAAATTGAATGTCTTAACACTGAAAAAGGAACCTCTCCAGCGGTCATCTTCCATGAGCCGGAG
GCCATTGAGCTGTGCACGACCACACCGCTGATGAAGACAAGGACTCACAGTGGCTGCAAGGTTACCTACC
TGGGCAAAGTCTCCACCACTGGCATGCAGTTTTTGTGTCAGGCTGCACAGAAAAGCCAGTCATTGAGCTCTG
GAAGAAGCACACGCTAGCCCAGAGGATGTCTTCCGGCCAATGCCCTCCTGGAAATCCGGCCATCCAA
GTTTGGTCCATCATCTCGACCACAAAGGGGAGGCCACAGTGCACATGGATACCTTCCAGGTGGCCCGCA
TCGCCTACTGCACCGCCGACCACAACGTGAGCCCCAACATCTTCGCTGGGTCTACAGGGAGATCAATGA
TGACCTGTCTACCAGATGGACTGCCACGCCGTGGAGTGCAGAGCAAGCTCGAGGCCAAGAAACTGGCC
CACGCCATGATGGAGGCCTTCAGGAAGACTTCCACAGTATGAAGAGCGACGGCCGGATCCACAGCAACA
GCTCCTCCGAAGAGGTTTCCAGGAATTGGAATCCGATGATGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212451 representing NM_017933
 Red=Cloning site Green=Tags(s)

MPRIAGNHLMLEESRTCSSPELLDGVWPCQPLHFGLPASEMHFQTMLKSKLNVLTLLKKEPLPAVIFHEPE
 AIELCTTTPLMKTRTHSGCKVTYLGKVVSTTGMQFLSGCTEKPVIELWKKHTLAREDVFPANALLEIRPFQ
 VWLHHLDHKGEATVHMDFQVARIAYCTADHNVSPNIFAWVYREINDDL SYQMDCHAVECESKLEAKKLA
 HAMMEAFRKTFFHSMKSDGRIHSNSSFEEVSQELESDDG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017933

ORF Size: 744 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_017933.5](#)

RefSeq Size: 2745 bp

RefSeq ORF: 747 bp

Locus ID: 55022

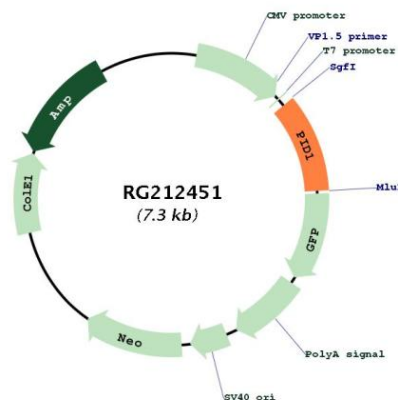
UniProt ID: [Q7Z2X4](#)

Cytogenetics: 2q36.3

Domains: PID

Gene Summary: Increases proliferation of preadipocytes without affecting adipocytic differentiation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG212451