

Product datasheet for **RG212505**

PID1 (NM_001100818) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: PID1 (NM_001100818) 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: >RG212505 representing NM_001100818
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGCAGCCGGCCACGGAGCGCCTGCAGCACTTTCAGACCATGCTGAAGTCTAAATTGAATGTCTTAA
 CACTGAAAAGGAACCTCTCCAGCGGTCATCTCCATGAGCCGGAGGCCATTGAGCTGTGCACGACCAC
 ACCGCTGATGAAGACAAGGACTCACAGTGGCTGCAAGGTTACCTACCTGGCAAAGTCTCCACCACTGGC
 ATGCAGTTTTTGTGAGGCTGCACAGAAAAGCCAGTCATTGAGCTCTGGAAGAAGCACACGCTAGCCCGAG
 AGGATGTCTTTCCGGCCAATGCCCTCCTGGAAATCCGGCCATTCCAAGTTTGGCTCCATCATCTCGACCA
 CAAAGGGGAGGCCACAGTGCACATGGATACCTTCCAGGTGGCCCGCATCGCCTACTGCACCGCCGACCAC
 AACGTGAGCCCCAACATCTTCGCCTGGGTCTACAGGGAGATCAATGATGACCTGTCTACCAGATGGACT
 GCCACGCCGTGGAGTGCAGAGCAAGCTCGAGGCCAAGAACTGGCCACGCCATGATGGAGGCCTTCAG
 GAAGACTTTCCACAGTATGAAGAGCGACGGCGGATCCACAGCAACAGCTCCTCCGAAGAGGTTTCCAG
 GAATTGGAATCCGATGATGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212505 representing NM_001100818
 Red=Cloning site Green=Tags(s)

MWQPATERLQHFQTMLKSKLNLVTLKKEPLPAVIFHEPEAIELCTTTPLMKTRTHSGCKVTVLGVSTTG
 MQFLSGCTEKPVIELWKKHTLAREDEVFPANALLEIRPFQVWLHHLDHKGEATVHMDTFQVARIAYCTADH
 NVSPNIFAWVYREINDLLSYQMDCHAVECESKLEAKKLAHAMMEAFRKTFFHSMKSDGRIHSNSSSSEVSQ
 ELESDDG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001100818

ORF Size: 651 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_001100818.2](#)

RefSeq Size: 2626 bp

RefSeq ORF: 654 bp

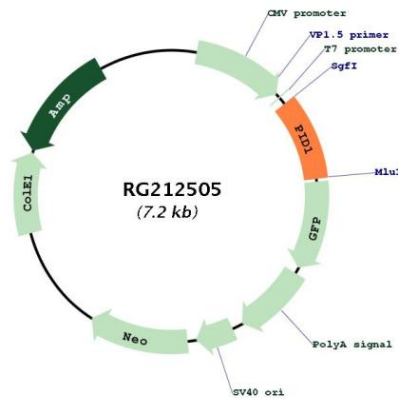
Locus ID: 55022

UniProt ID: [Q7Z2X4](#)

Cytogenetics: 2q36.3

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

Product images:



Circular map for RG212505