

Product datasheet for **RG236313**

IPP 2 (PPP1R2) (NM_001291505) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IPP 2 (PPP1R2) (NM_001291505) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: IPP 2
Synonyms: IPP-2; IPP2; PPP1R2A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236313 representing NM_001291505.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCTCGACGGCCTCGCACCGGCCATCAAGGGGATCTTGAAGAACAAGCCTCTACGACTTCC
TCTATGGTGGCGTCGGCCGAACAGCCCCGCGGAATGTCGACGAGGAGCTGAGCAAAAAATCCCAGAAG
TGGGATGAAATGAACATCTTGGCGACGTATCATCCAGCAGACAAAGACTATGGTTAATGAAAATAGAT
GAACCAAGCACTCCTTACCATAGATTAGCTGCAGCTGAAGGCTTGGAGCCAAAGTATCGGATTCAGGAA
CAAGAAAGCAGTGGAGAGGAGGATAGTGACCTCTCACCTGAAGAACGAGAAAAAAGCGACAATTTGAA
ATGAAAAGGAAGTTCCTACTACAATGAAGGACTCAATATCAAAGTACCCAGACAATTAATTTCAAAGAC
CTACATGATGATGATGAAGATGAAGAAATGTTAGAGACTGCAGATGGAGAAAGCATGAATACGGAAGAA
TCAAATCAAGGATCTACTCCAAGTGACCAACAGCAAAACAAATTACGAAGTTCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236313
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAASTASHRPIKGILKNKTSTTSSMVASAEQPRGNVDEELSKKSQKWDEMNILATYHPADKDYGLMKID
EPSTPYHRLAAAEGLEPKYRIQEQESSGEEDSDLSPEREKRRQFEMKRKLHYNEGLNIKLARQLISKD
LHDDDEDEEMLETADGESMNTSESNQGSTPSDQQNKLRS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLVHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

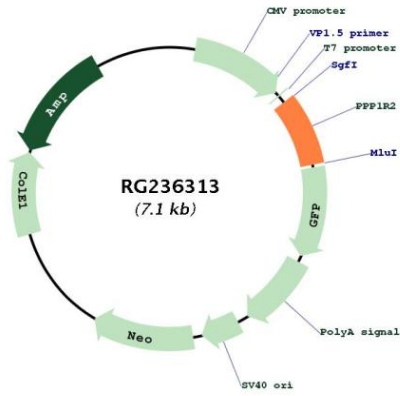


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Cloning Scheme:


- ACCN:** NM_001291505
- ORF Size:** 537 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).
- RefSeq:** [NM_001291505.2](#)
- RefSeq Size:** 3390 bp
- RefSeq ORF:** 540 bp
- Locus ID:** 5504
- Cytogenetics:** 3q29
- Protein Families:** Druggable Genome
- MW:** 20.8 kDa
- Gene Summary:** Protein phosphatase-1 (PP1) is one of the main eukaryotic serine/threonine phosphatases. The protein encoded by this gene binds to the catalytic subunit of PP1, strongly inhibiting its activity. Ten related pseudogenes have been found throughout the human genome. Several splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

Product images:



Circular map for RG236313