

## Product datasheet for **RG216856**

### **NIPP1 (PPP1R8) (NM\_002713) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NIPP1 (PPP1R8) (NM\_002713) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** NIPP1  
**Synonyms:** ARD-1; ARD1; NIPP-1; NIPP1; PRO2047  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG216856 representing NM\_002713  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTGCAAACAGTCAGTGGTCCAGTCAAGAAGAAGCGTGTGGAGGGCCCTGGCTCCCTGGGCCTGGAGG  
 AATCAGGGAGCAGGCGCATGCAGAACTTTGCCTTCAGCGGAGGACTCTACGGGGGCTGCCCCCACACA  
 CAGTGAAGCAGGCTCCAGCCACATGGCATCCATGGGACAGCACTCATCGGTGGCTTGCCATGCCATAC  
 CCAAACCTTGCCCTGATGTGGACTTGACTCCTGTTGTGCCGTGAGCAGTGAACATGAACCTGCACCAA  
 ACCCTGCAGTCTATAACCCTGAAGCTGTAATGAACCAAGAAGAAGAAATATGCAAAAGAGGCTTGCC  
 AGGCAAGAAGCCACACCTTCCTTGCTGATT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG216856 representing NM\_002713  
 Red=Cloning site Green=Tags(s)

MVQTAVVPVKKRVEGPGSLGLEESGSRMQNFAFSGGLYGGLPPTHSEAGSQPHGIHGTALIGGLPMPY  
 PNLAPDVLTPVVPYSAVNMPAPNPAYNPEAVNEPKKKKYAKEAWPGKKPTPSLLI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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## Cloning Scheme:



ACCN: NM\_002713

ORF Size: 381 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.

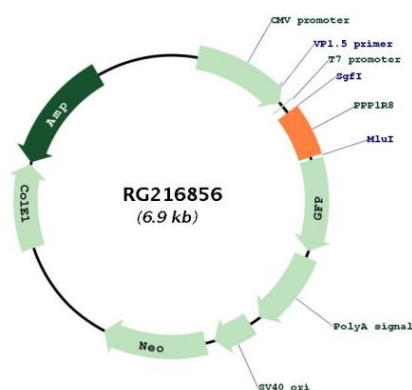
RefSeq: [NM\\_002713.4](#)

RefSeq Size: 2558 bp

RefSeq ORF: 384 bp

Locus ID:	5511
UniProt ID:	<a href="#">Q12972</a>
Cytogenetics:	1p35.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene, through alternative splicing, encodes three different isoforms. Two of the protein isoforms encoded by this gene are specific inhibitors of type 1 serine/threonine protein phosphatases and can bind but not cleave RNA. The third protein isoform lacks the phosphatase inhibitory function but is a single-strand endoribonuclease comparable to RNase E of E. coli. This isoform requires magnesium for its function and cleaves specific sites in A+U-rich regions of RNA. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG216856