

Product datasheet for RC216856

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: Myc-DDK
Symbol: NIPP1
Synonyms: ARD-1; ARD1; NIPP-1; NIPP1; PRO2047
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC216856 representing NM_002713
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGTGCAAACACTGCAGTGGTCCCAGTCAAGAAGAAGCGTGTGGAGGGCCCTGGCTCCCTGGGCCTGGAGG
 AATCAGGGAGCAGGCGCATGCAGAACTTGCCTTCAGCGGAGGACTCTACGGGGGCTGCCCCCACACA
 CAGTGAAGCAGGCTCCCAGCCACATGGCATCCATGGGACAGCACTCATCGGTGGCTTGCCATGCCATAC
 CCAAACCTTGCCCTGATGTGGACTTGACTCCTGTTGTGCCGTGAGCAGTGAACATGAACCCTGCACCAA
 ACCCTGCAGTCTATAACCCTGAAGCTGTAATGAACCAAGAAGAAGAAATATGCAAAGAGGCTTGCC
 AGGCAAGAAGCCACACCTTCTTGCTGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216856 representing NM_002713
 Red=Cloning site Green=Tags(s)
 MVQTAVVPVKKRVEGPGSLGLEESGSRMQNFAFSGGLYGGLPPTHSEAGSQPHGIHGTAALIGGLPMPY
 PNLAPDVLTPVVPVSAVNMNPNPAPVYNPEAVNEPKKKKYAKEAWPGKKPTPSLLI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_002713.4](#)

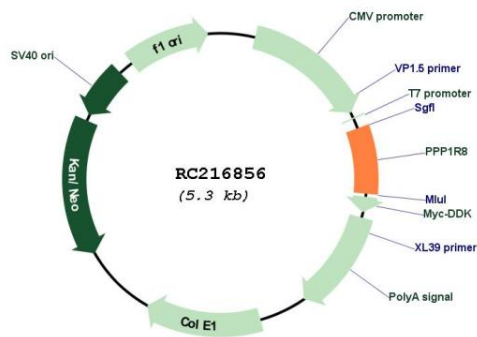
RefSeq Size: 2558 bp

RefSeq ORF: 384 bp
Locus ID: 5511
UniProt ID: [Q12972](#)
Cytogenetics: 1p35.3
Protein Families: Druggable Genome, Transcription Factors

MW: 13.3 kDa

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 RC216856