

Product datasheet for **MR213834**

Pnp2 (NM_001123371) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnp2 (NM_001123371) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pnp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR213834 representing NM_001123371 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCAGAAAGGGCAAGATTTGGGCGCCTCTGTCGGTGACACCATAGAGAAAGAGTTCACATACGAAG
 ATTATGAGACCACTGCCAAGTGGCTTCTGCAACACACTGAATATCGACCTCAAGTGGCAGTGATCTGTGG
 TTCCGGCTTAGGAGGGCTGACTGCTCACTTAAAGGCGGCTCAGATCTTTGACTACAATGAGATACCAAC
 TTTCCCAAAGCACAGTGCAAGGTCACGCAGGCCGACTGGTGTGGATTGCTGAATGGCAGATCCTGTG
 TGATGATGCAAGGCCGGTCCATATGTATGAAGGATACTCACTGTCAGAGGTGACATTTCCAGTGAGAGT
 TTTCCATCTTCTGGGTGTGGAACTTTGGTGGTCACCAATGCTGCTGGAGGACTCAACCCCAATTTTGAA
 GTTGGAGATATTATGCTGATCCGTGATCACATCAACCTACCTGGTTTCTGTGGCCAGAACCCTCTCCGGG
 GCCCCAACGATGAAAGGTTTGGAGTTCGTTTCTGCCATGTCTGATGCTTATGACCGGGATATGAGGCA
 GAAGGCTTTCAGTGCCTGGAAACAAATGGGGGAGCAACGAAAGCTACAAGAAGGCACCTATGTGATGTTG
 GCAGGTCCCACTTTGAGACTGTGGCAGAGAGTCGTCTGCTAAAGATGCTGGGGCAGATGCTGTTGGCA
 TGAGCACAGTCCAGAAGTTATCGTCGCAAGGCACTGTGGGCTTCGTGTCTTTGGTTTCTCACTCATTAC
 GAACATGGTTGTCATGGATTATGAGAACTTGAGAAGGCCAATCACAAGGAAGTTCTGGATGCCGGGAAA
 GCAGCTGCACAGAAATTGAAAGGTTTGTCTCATTCTTATGGAGAGCATTCCACTCCCGAGTGTAACC
 TCCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR213834 representing NM_001123371
 Red=Cloning site Green=Tags(s)

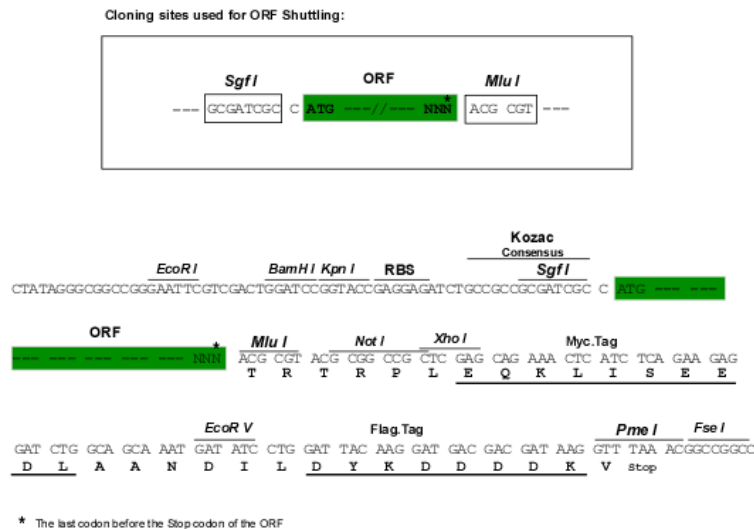
MEQKGQDLGASVGDITIEKFTYEDYETAKWLLQHTYRPQVAVICGSLGGLTAHLKAAQIFDYNEIPN
 FPQSTVQGHAGRLVFGLNLRSCVMMQGRFHMVEGYSLSEVTFPVRVHLLGVETLVVTNAAGGLNPNFE
 VGDIMLIRDHINLPGFCGQNPLRGPNDERFGVRFPMASDAYDRDMRQAFSAWKQMGQRKLQEGTYVML
 AGPNFETVAESRLLKMLGADAVGMSTVPEVIVARHCGLRVFGFSLITNMVMDYENLEKANHKEVLDAGK
 AAAQKLERFVSILMESIPLPECNLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9073_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001123371

ORF Size: 915 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_001123371.2, NP_001116843.1

RefSeq Size: 1223 bp

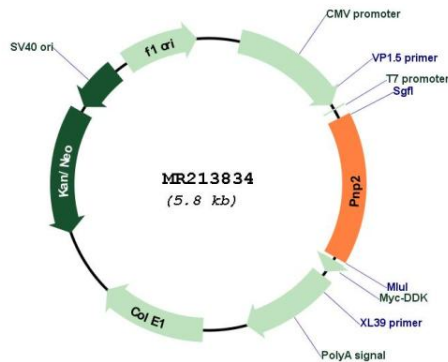
RefSeq ORF: 918 bp

Locus ID: 667034

Cytogenetics: 14 C1

MW: 33.9 kDa

Product images:



Circular map for MR213834