

Product datasheet for MR203948

Pnp (NM_013632) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnp (NM_013632) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pnp
Synonyms:	AL024301; AU015798; Np; Np-1; Np-2; Pnp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203948 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGAACGAGTTCACATACGAAGATTATGAGACCACTGCCAAGTGGCTTCTGCAACACACTGAATATC
GACCTCAAGTGGCAGTGATCTGTGGTCCGGCTTAGGAGGGCTGACTGCTCACTTAAAGGAGGCTCAGAT
CTTTGACTACAATGAGATACCCAACCTTCCCAAAGCACAGTCAAGGTCACGCAGGCCGACTGGTGT
GGATTGCTGAATGGCAGATGCTGTGTGATGATGCAAGGCCGTTCCATATGTATGAAGGATACTCACTGT
CAAAGGTGACATCCAGTGAGAGTTTTCCATCTCTGGGTGTGAAACTTTGGTGGTCACCAATGCTGC
TGGAGGACTCAACCTAATTTTGAAGTTGGAGATATTATGCTGATCCGTGATCACATCAACCTACCTGGT
TTCTGTGGCCAGAACCTCTCCGGGGCCCAACGATGAAAGGTTTGGAGTTCGTTTTCTGCCATGTCTG
ATGCTTATGACCGGGATATGAGGCAGAAGGCTTTCAGTGCCTGGAAACAAATGGGGGAGCAACGAAAGCT
ACAAGAAGGCACCTACGTGATGTTGGCAGGCCCAACTTTGAGACTGTGGCAGAGAGTCGTCTGCTAAAG
ATGCTGGGAGCAGATGCTGTTGGCATGAGCACAGTCCCAGAAGTTATCGTCGCAAGGCACGTGGGCTTC
GAGTCTTTGGTTTCTCACTCATTACGAACAAGTTGTCTGATTATGAGAACTGGAGAAGGCCAATCA
CATGGAAGTTCTGGATGCCGGGAAAGCAGCTGCACAGACATTGGAAGGTTTGTCTCCATTCTTATGGAG
AGCATTCCACTCCCGGATCGTGGCAGC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203948 protein sequence
Red=Cloning site Green=Tags(s)

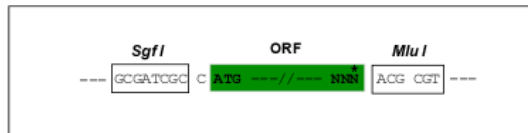
MENEFTYEDYETTAKWLLQHTEYRPQVAVICGSLGGLTAHLKEAQIFDYNEIPNFPQSTVQGHAGRLVF
 GLLNGRCCVMMQGRFHMYEGYSLSKVTFPVRFVHLLGVETLVVTNAAGGLNPNFEVGDIMLIRDHINLPG
 FCGQNPLRGPNDERFVGRFPAMSDAYDRDMRQKAFATAWKQMGQRKLEQGTYYMLAGPNFETVAESRLLK
 MLGADAVGMSTVPEVIVARHCGLRVFGFSLITNKVMDYENLEKANHMEVLDAGKAAAQTLERFVSILME
 SIPLPDRGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_013632

ORF Size: 870 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_013632.1](#), [NM_013632.2](#), [NM_013632.3](#), [NM_013632.4](#), [NP_038660.1](#)

RefSeq Size: 2941 bp

RefSeq ORF: 870 bp

Locus ID: 18950

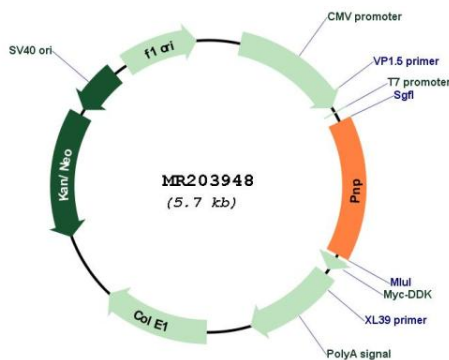
UniProt ID: [P23492](#)

Cytogenetics: 14 26.31 cM

MW: 32.3 kDa

Gene Summary: The purine nucleoside phosphorylases catalyze the phosphorolytic breakdown of the N-glycosidic bond in the beta-(deoxy)ribonucleoside molecules, with the formation of the corresponding free purine bases and pentose-1-phosphate.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203948