

Product datasheet for **MG203948**

Pnp (BC003788) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnp (BC003788) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pnp
Synonyms:	AL024301; AU015798; Np; Np-1; Np-2; Pnp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203948 representing BC003788 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAACGAGTTCACATACGAAGATTATGAGACCACTGCCAAGTGGCTTCTGCAACACACTGAATATC
GACCTCAAGTGGCAGTGATCTGTGGTCCGGCTTAGGAGGGCTGACTGCTCACTTAAAGGAGGCTCAGAT
CTTTGACTACAATGAGATACCCAACCTTCCCAAAGCACAGTCAAGGTCACGCAGGCCGACTGGTGT
GGATTGCTGAATGGCAGATGCTGTGTGATGATGCAAGGCCGTTCCATATGTATGAAGGATACTCACTGT
CAAAGGTGACATCCAGTGAGAGTTTTCCATCTTCTGGGTGTGAAACTTTGGTGGTCACCAATGCTGC
TGGAGGACTCAACCTAATTTTGAAGTTGGAGATATTATGCTGATCCGTGATCACATCAACCTACCTGGT
TTCTGTGGCCAGAACCTCTCCGGGGCCCAACGATGAAAGGTTTGGAGTTCGTTTTCTGCCATGTCTG
ATGCTTATGACCGGGATATGAGGCAGAAGGCTTCACTGCCTGGAAACAAATGGGGGAGCAACGAAAGCT
ACAAGAAGGCACCTACGTGATGTTGGCAGGCCCAACTTTGAGACTGTGGCAGAGAGTCGTCTGCTAAAG
ATGCTGGGAGCAGATGCTGTTGGCATGAGCACAGTCCCAGAAGTTATCGTCGCAAGGCACTGTGGGCTTC
GAGTCTTTGGTTTCTCACTCATTACGAACAAGTTGTCTGATTATGAGAACTTGAGAAGGCCAATCA
CATGGAAGTTCTGGATGCCGGGAAAGCAGCTGCACAGACATTGAAAGGTTTGTCTCCATTCTTATGGAG
AGCATTCCACTCCCGGATCGTGGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203948 representing BC003788
Red=Cloning site Green=Tags(s)

MENEFTYEDYETTAKWLLQHTEYRPQVAVICGSLGGLTAHLKEAQIFDYNEIPNFPQSTVQGHAGRLVF
 GLLNGRCCVMMQGRFHMYEGYSLSKVTFPVRVHFLLGVETLVVNTAAGGLNPNFEVGDIMLIRDHINLPG
 FCGQNPLRGPNDERFVGRFPAMSDAYDRDMRQKAFATAWKQMGQRKLEGTYYVMLAGPNFETVAESRLK
 MLGADAVGMSTVPEVIVARHCGLRVFGFSLITNKVMDYENLEKANHMEVLDAGKAAAQTLERFVSILME
 SIPLPDRGS

TRTRPLE - GFP Tag - V

Restriction Sites:

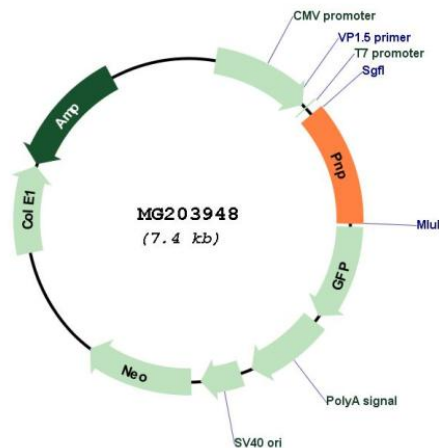
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC003788

ORF Size: 869 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:	<ol style="list-style-type: none">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:	BC003788 , AAH03788
RefSeq Size:	1336 bp
RefSeq ORF:	869 bp
Locus ID:	18950
Cytogenetics:	14 26.31 cM
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]