

## Product datasheet for **MG203940**

### Pnp (BC052679) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pnp (BC052679) 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:	>MG203940 representing BC052679 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAACGAGTTCACATACGAAGATTATGAGACCACTGCCAAGTGGCTTCTGCAACACACTGAATATC  
GACCTCAAGTGGCAGTGATCTGTGGTCCGGCTTAGGAGGGCTGACTGCTCACTTAAAGGAGGCTCAGAT  
CTTTGACTACAATGAGATACCCAACCTTCCCAAAGCACAGTCAAGGTCACGCAGGCCGACTGGTGT  
GGATTGCTGAATGGCAGATGCTGTGTGATGATGCAAGGCCGTTCCATATGTATGAAGGATACTCACTGT  
CAAAGGTGACATCCAGTGAGAGTTTTCCATCTTCTGGGTGGAAACTTTGGTGGTCACCAATGCTGC  
TGGAGGACTCAACCTAATTTTGAAGTTGGAGATATTATGCTGATCCGTGATCACATCAACCTACCTGGT  
TTCTGTGGCCAGAACCTCTCCGGGGCCCAACGATGAAAGGTTTGGAGTTCGTTTTCTGCCATGTCTG  
ATGCTTATGACCGGGATATGAGGCAGAAGGCTTCACTGCCTGGAAACAAATGGGGGAGCAACGAAAGCT  
ACAAGAAGGCACCTACGTGATGTTGGCAGGCCCAACTTTGAGACTGTGGCAGAGAGTCGTCTGCTAAAG  
ATGCTGGGAGCAGATGCTGTTGGCATGAGCACAGTCCCAGAAGTTATCGTCGCAAGGCACGTGGGCTTC  
GAGTCTTTGGTTTCTCACTCATTACGAACAAGTTGTCTGATGATTATGAGAACTGGAGAAGGCCAATCA  
CATGGAAGTTCTGGATGCCGGGAAAGCAGCTGCACAGACATTGGAAGGTTTGTCTCCATTCTTATGGAG  
AGCATTCCACTCCCGGATCGTGGCAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203940 representing BC052679  
Red=Cloning site Green=Tags(s)

MENEFTYEDYETTAKWLLQHTEYRPQVAVICGSLGGLTAHLKEAQIFDYNEIPNFPQSTVQGHAGRLVF  
 GLLNGRCCVMMQGRFHMYEGYSLSKVTFPVRVHFLLGVETLVVNTAAGGLNPNFEVGDIMLIRDHINLPG  
 FCGQNPLRGPNDERFVGRFPAMSDAYDRDMRQKAFATAWKQMGQRKLEQGTYYMLAGPNFETVAESRLLK  
 MLGADAVGMSTVPEVIVARHCGLRVFGFSLITNKVMDYENLEKANHMEVLDAGKAAAQTLERFVSILME  
 SIPLPDRGS

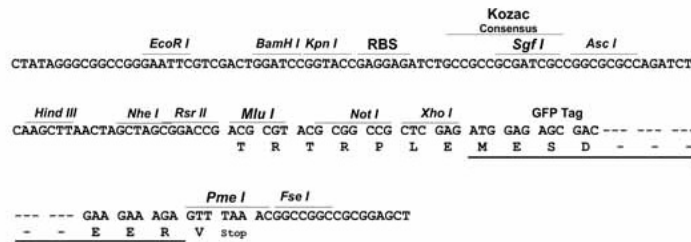
TRTRPLE - GFP Tag - V

**Restriction Sites:**

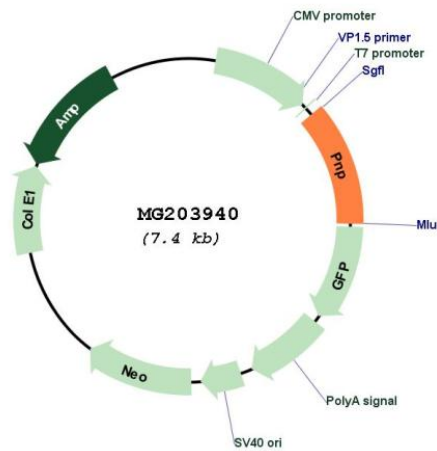
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** BC052679

**ORF Size:** 869 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC052679</a> , <a href="#">AAH52679</a>
<b>RefSeq Size:</b>	1305 bp
<b>RefSeq ORF:</b>	869 bp
<b>Locus ID:</b>	18950
<b>Cytogenetics:</b>	14 26.31 cM
<b>Gene Summary:</b>	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]