

## Product datasheet for **MG206764**

### **Pnkd (BC058945) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pnkd (BC058945) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pnkd
Synonyms:	Tahccp2, MR-1, MNCb-5687
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206764 representing BC058945 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCGGTGGTAGCTGCTACGGCGCTGAAGGGCCGGGGGCGAGAAATGCCCGCTCCTCCGGGGGA  
TCCTCTCTGGAGCCACAGCTAACAAGGCTTCCCAGAACAGGACCAGAGCACTGCAGAGCCACAGCTCACC  
AGAATGCAAGGAGGAGCCCGAGCCCTCTCCCCTGAGCTAGAATACATCCAGAAAGAGGGCAAGAAC  
CCCATGAAAGCCGTGGGGCTAGCCTGGCCATCGGCTTCCCCTGTGGTATCCTCTTCTTCGTCCTACCA  
AGCAGGAAGTGGACAAGGACCGATTGAAGCAGATGAAAGCTCGTCAGAACATGCGGGTGTCCAACACGGG  
CGAGTATAGCCTGTACACCCGAACCTGGCTTGGGTACCTTTCTACCGACAGCAGCTTCGGAGGGCTCGG  
AATCGCTATCCAAAGGCCACTCAAAACCTCAGCCCCGCCTTTCAATGGAGTGAAGGTGCTTCCATCC  
CTGTCTCTCGGACAACCTACAGCTACCTCATCATCGACACCCAGGCTGGGCTGGCAGTGGCTGTGGACCC  
CTCAGACCCGAGGGCTGTGCAGGCTTCCATTGAAAAGGAAAGAGTTAACTTGGTTGCCATTTCTCTGCACC  
CACAAGCACTGGGACCACAGTGGAGGGAACCGTGACCTCAGCCGGCGGCACAGGGACTGTGAGTGTATG  
GGAGCCCTCAGGATGGTATCCCCTACCTCACCCACCCCTGTGTCATCAAGATGTGGTCAGCGTGGGACG  
ACTTCAGATTCGAGCCCTAGCCACCCCTGGCCACACTCAAGGCCATCTGGTCTACCTGCTGGATGGGGAG  
CCCTACAAAGTCTTCTGCCTTCTCAGGGACCTGCTTTCCTCTCTGGCTGTGGACGGACCTTCG  
AAGGCACAGCGGAGACCATGCTGAGCTCACTGGCACTGTGTTAGACCTGGGGGATGACACCCTGCTGTG  
GCCTGGGCATGAATACGAGAAGAGAACCTGGGCTTTCAGGCGTGGTGGAGCCCGAGAACTTGGCTCGT  
GAGAGGAAGATGCAGTGGGTACAGAGGCAACGGATGGAACGCAAGAGCACATGCCATCCACCCTGGGAG  
AGGAACGCGCCTACAACCCATTCTGAGAACCCATTGCCTGGAACCTACAGGAGGCTCTGGGGCCAGGGCC  
AGGCCCCACCAAGTATGACGGCTGCTCCCGGGCCAGCTCCTGGAGGAGCTGCGCCGCTGAAGGACATG  
CATAAAAGCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206764 representing BC058945  
 Red=Cloning site Green=Tags(s)

MAAVVAATALKGRGARNARVLRGILSGATANKASQNRTRALQSHSSPECKEEPEPLSPELEYIPRKRKGN  
 PMKAVGLAWAIGFPCGILFFVLTKQEVKDRLLKQMKARQNMVRSNTGEYSLYTRTWLGYLFYRQQLRRAR  
 NRYPKGHSKTQPRLFNGVKVLPVPLSDNYSYLIIIDTQAGLAVAVDPSPRAVQASIEKERVNLVAICT  
 HKHWDHSGGNRDLRRHRDCRVYGSPOQDGIPYLTHPLCHQDVVSVGRLQIRALATPGHTQGHLYVLLDGE  
 PYKGPSCFLSGDLLFLSGCGRTFEGTAETMLSSLDTVL DLGDDTLLWPGHEYAEENLGFAGVVEPENLAR  
 ERKMQWVQRQRMERKSTPCSTLGEERAYNPFLRTHCLELQEQALGPGPGPTSDDGCSRAQLLEELRRLKDM  
 HKSK

TRTRPLE - GFP Tag - V

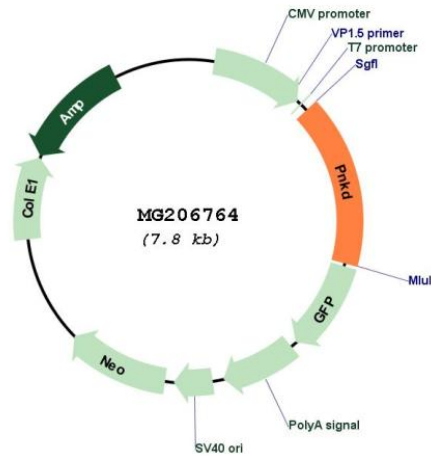
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC058945

<b>ORF Size:</b>	1274 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="#">BC058945</a> , <a href="#">AAH58945</a>
<b>RefSeq Size:</b>	3199 bp
<b>RefSeq ORF:</b>	1274 bp
<b>Locus ID:</b>	56695
<b>Cytogenetics:</b>	1 C3
<b>Gene Summary:</b>	Probable hydrolase that plays an aggravative role in the development of cardiac hypertrophy via activation of the NF-kappa-B signaling pathway.[UniProtKB/Swiss-Prot Function]